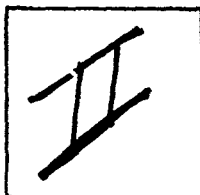


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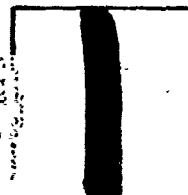
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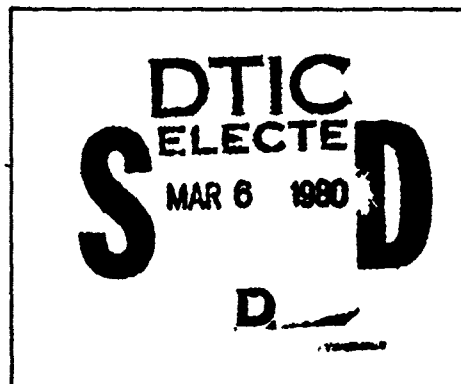
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DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

**REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS**

FAIRCHILD AFB WA

N 47 38 W 117 39 FLD ELEV 2462 FT SKA

WBAN# 24114

WMO#

PARTS A-F

POR FROM HOURLY OBS: JUN 69 - MAY 79

POR FROM DAILY OBS: JUN 49 - MAY 79

TIME CONVERSION GMT TO LST: -8

DEC 21 1979

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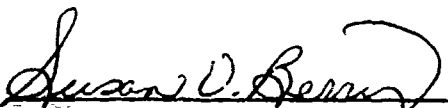
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SUSAN V. BERRY, 2 Lt, USAF
Information Retrieval
Manager

FOR THE COMMANDER


WALTER S. BURGMANN
Scientific & Technical
Information Officer

27 FEB 1980

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS- 80/009	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)-Fairchild, AFB, Spokane, Washington		5. TYPE OF REPORT & PERIOD COVERED Final rept.
7. AUTHOR(s)	6. PERFORMING ORG. REPORT NUMBER	
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14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE 21 Dec 79
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
*RUSSWO	Daily temperature	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative humidity	*Climatological data	(over)
20. ABSTRACT (Continue on reverse side if necessary and identify by block number)		
<p>This report is a six-part statistical summary of surface weather observations for Fairchild AFB, Spokane, Washington. It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)</p>		

19. Percentqge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* Washington

*Fairchild AFB, WA

20. and dew-point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurrence tables.

UNCLASSIFIED

NOTE:

**COLD FOG DISSIPATION OPERATIONS WERE CONDUCTED
AT FAIRCHILD AFB DURING THE WINTERS OF 1967-68
THROUGH 1973-74, BUT ARE NOT BELIEVED TO
SIGNIFICANTLY ALTER THE STATISTICS PRESENTED.**

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

FEBRUARY _____

MARCH _____

APRIL _____

MAY _____

JUNE _____

JULY _____

AUGUST _____

SEPTEMBER _____

OCTOBER _____

NOVEMBER _____

DECEMBER _____

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT.)		CALL SIGN		WMO NUMBER	
24114		FAIRCHILD AFB/SPOKANE WASHINGTON		N 47 38		W 117 39		2462		SKA			
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE NSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	HT. BARD.					
1	Spokane Air Force Base	AFB	Jun 49	Feb 53	N 47 37	W 117 39	2430	2433 ft	24				
2	Fairchild AFB	Same	Mar 53	Mar 54	Same	Same	2459	Same	24				
3	Same	Same	Apr 54	Mar 58	Same	Same	2449	Same	24				
4	Same	Same	Apr 58	Feb 59	Same	Same	2472	Same	24				
5	Same	Same	Mar 59	Mar 67	Same	Same	2462	2437 ft	24				
6	Same	Same	Apr 67	May 79	N 47 38	Same	Same	Same	24				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jun 49	N/A	Selsyn	N/A	N/A	
2	Mar 53	Located on top of control tower	Same	ML-144C	85 ft	
3	Mar 54	Same	Same	ML-144D	Same	
4	Apr 55	Located on roof of tower	Same	ML-144	96 ft	
5	Aug 57	Same	Same	Same	110 ft	
6	Apr 58	Located opposite touchdown rnwy 23	GMQ-11	RO-2	13 ft	
7	Mar 59	Located 700 ft from rnwy 05-23	Same	Same	15 ft	
8	Mar 60	Located 800 ft from rnwy 05-23	Same	Same	Same	
9	Apr 61	Located 850 ft from center of rnwy and 1500 ft from touchdown on rnwy 23	GMQ-11	RO-2	15 ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
10	Apr 62	Same	Same	Same	11 ft	
11	Apr 63	1. Located 850 ft from center of rnwy and 1500 ft from touchdown on rnwy 23	Same	Same	Same	
		2. Located 500 ft from center of rnwy and 1000 ft from touchdown on rnwy 05	Same	Same	Same	
12	Nov 66	1. Located 800 ft from centerline and 1800 ft SE of end of rnwy 23	Same	Same	13 ft	
		2. Located 500 ft from centerline and 1250 ft NE of rnwy 05	Same	Same	23 ft	
13	Jan 70	1. Located 1000 ft from centerline and 2200 ft SE of end of rnwy 23	GMQ-20	RO-362	13 ft	
		2. Located 500 ft from centerline and 1300 ft NE of end of rnwy 05	Same		23 ft	
14	May 79	1. Same	Same	Same	13 ft	
		2. Same	Same		23 ft	

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, torn , and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sum of the individual categories may exceed the percentage total column. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24114 FAIRCHILD AFB WA

73-79

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	0-02		4.8	1.7	16.2		22.5	29.2	.1	.3		29.6	930
	03-05		4.5	1.6	15.6		21.1	30.9		.3		31.2	930
	06-08		5.6	1.4	20.3		26.2	33.7		.3		33.9	930
	09-11		3.9	1.7	22.6		27.6	37.4		.4		37.7	930
	12-14		5.4	.5	19.8		24.9	31.6	.2	.1	.1	31.9	930
	15-17		5.6	.9	13.2		19.1	30.0	.1		.3	30.3	930
	18-20		5.2	1.5	13.9		19.6	27.5				27.5	930
	21-23		5.2	1.3	14.7		20.2	23.1				26.1	930
TOTALS			5.0	1.3	17.0		22.6	31.1	.1	.2	.1	31.3	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

29114

FAIRCHILD AFB WA

79-79

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		7.3	1.2	10.8		18.4	21.6			.1	21.7	846
	03-05		7.8	1.2	11.3		19.5	23.8		.4		24.1	846
	06-08		7.6	1.4	15.0		23.5	28.7	.2	.4	.1	29.0	846
	09-11		6.3	.5	14.4		20.7	28.4	.7	.2	.1	28.8	846
	12-14		5.9	.4	11.2		16.8	18.8	.5	.1	.1	19.4	846
	15-17	.1	6.1	.5	6.5		12.5	11.3	.7		.4	12.2	846
	18-20		8.9	.9	6.9		15.8	13.4	.2		.5	13.8	846
	21-23	.1	8.5	.5	9.1		16.7	15.2	.1		.2	15.6	846
TOTALS		.0	7.3	.8	10.7		17.9	20.2	.3	.1	.2	20.6	6768

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24114

FAIRCHILD AFB WA

70-79

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02		6.2	.1	4.2		10.1	6.5				6.5	930
	03-05		6.0	.1	6.1		11.5	10.5				10.5	930
	06-08		4.3	.1	6.2		10.5	13.2	.1		.1	13.3	930
	09-11	.1	5.5		5.8		11.0	9.1	.1			9.1	930
	12-14		8.5		5.3		12.7	4.4		.3	.2	4.9	930
	15-17		8.4		5.1		12.6	3.4		.2	1.1	4.7	930
	18-20		7.0		3.1		8.9	2.3			.5	2.8	930
	21-23		6.9		3.7		9.7	3.7			.1	3.8	930
TOTALS		.0	6.6	.0	4.9		10.9	6.6	.0	.1	.3	7.0	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24114 FAIRCHILD AFB WA 70-79 APR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02		5.8		1.7		7.2	2.0			.2	2.2	900
	03-05		5.7		1.4		7.0	4.3			.2	4.6	899
	06-08		7.1		1.6		8.5	8.0	.2			8.2	899
	09-11		7.2		1.4		7.9	2.2	.1		.2	2.6	900
	12-14		7.1		1.6	.1	8.4	.7			.1	.8	900
	15-17	.4	8.4		1.3		9.3	1.3			.4	1.8	900
	18-20	.7	7.0		.9		7.7	.9			.1	1.0	900
	21-23	.1	5.9		.8		6.3	.7			.3	1.0	900
TOTALS		.2	6.8		1.3	.0	7.8	2.5	.0		.2	2.8	7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24114

FAIRCHILD AFB WA

70-79

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02		6.1		.1		6.1	.3			.2	.5	930
	03-05		7.4				7.4	2.7				2.7	930
	06-08		8.0				8.0	3.8				3.8	930
	09-11	.1	9.4		.3		9.6	1.1				1.1	930
	12-14	.2	8.4		.3		8.5	.1				.1	930
	15-17	1.1	7.4		.4		7.5	.3			.5	.9	928
	18-20	.5	6.9		.1		6.9	.3			.8	1.1	927
	21-23	.1	5.6				5.6	.8			.3	1.1	926
TOTALS		.3	7.4		.2		7.5	1.2			.2	1.4	7431

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24114 FAIRCHILD AFB WA

69-78

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	1.1	5.4				5.4	.8			.3	1.1	900
	03-05	.4	6.0				6.0	1.4				1.4	900
	06-08	.1	6.7				6.7	1.9				1.9	900
	09-11	.2	6.8				6.8	.4				.4	900
	12-14	.4	5.7				5.7	.1				.1	900
	15-17	.4	4.0				4.0				.3	.3	900
	18-20	.6	4.2				4.2	.3			.6	.9	900
	21-23	.9	5.6				5.6	.2			.2	.4	900
TOTALS		.5	5.6				5.6	.6			.2	.8	7200

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24114

FAIRCHILD AFB WA

69-78

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.3	3.9				3.9	.1			.2	.3	930
	03-05	.6	4.0				4.0	.9				.9	930
	06-08		3.7				3.7	1.3				1.3	929
	09-11		2.5				2.5	.9				.9	929
	12-14	.4	2.8				2.8	.2			.2	.4	930
	15-17	.9	1.6			.1	1.6				.3	.3	930
	18-20	.5	2.4				2.4	.1			.1	.2	930
	21-23	.5	4.4				4.4	.1				.1	930
TOTALS		.4	3.2			.0	3.2	.5			.1	.6	7438

GLCSAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24114 FAIRCHILD AFB WA

69-78

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	.5	3.8				3.8	.3				.3	930
	03-05	.6	3.9				3.9	1.4				1.4	930
	06-08	.1	4.1				4.1	2.2	.1			2.3	930
	09-11	.2	3.1				3.1	1.4	.5		.1	2.0	930
	12-14	.2	2.4				2.4	.3			.2	.5	930
	15-17	.4	2.8				2.8	.2			.5	.8	929
	18-20	1.2	3.4				3.4		.1		.9	.9	930
	21-23	.8	3.1				3.1	.1	.2		.4	.6	930
TOTALS		.5	3.3				3.3	.7	.1		.3	1.1	7439

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24114

FAIRCHILD AFB WA

69-78

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02		5.2				5.2	1.1	.3		.2	1.7	900
	03-05		4.7				4.7	3.1	.2			3.1	900
	06-08		4.8				4.8	6.2	.1			6.2	899
	09-11		5.4				5.4	3.1	.3		1.2	4.4	900
	12-14		5.7		.1		5.7	.8			3.2	4.0	900
	15-17		3.2		.1		3.3	.7	.2		1.9	2.6	900
	18-20	.1	3.7				3.7	.7	.3		1.0	2.0	900
	21-23	.2	3.8				3.8	.6	.2		.3	1.1	900
TOTALS		.0	4.6		.0		4.6	2.0	.2		1.0	3.1	7199

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24114

FAIRCHILD AFB WA

69-78

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-02		4.8		.5		5.4	6.1				6.1	930
	03-05		4.4		1.0		5.4	9.0				9.0	930
	06-08		5.4		.9		5.7	14.9	1.0		.1	15.4	930
	09-11		5.5		1.3		6.5	8.8	1.6		.2	10.1	930
	12-14		6.2		1.0		7.0	3.5	1.1		.1	4.2	930
	15-17	.2	5.4		.6		5.5	1.3	.4		.3	1.9	930
	18-20		4.4		.9		5.2	2.4				2.4	930
	21-23		4.5		1.0		5.5	4.2				4.2	930
TOTALS		.0	5.1		.9		5.8	6.3	.5		.1	6.7	7440

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24114

FAIRCHILD AFB WA

69-78

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		8.3	.1	8.1		15.9	25.1	.2	.6		25.7	900
	03-05		10.1	.9	9.2		19.6	30.3	.1	.8		31.1	900
	06-08		9.6	1.3	9.6		19.8	36.2	.3	.4		36.7	900
	09-11		8.4	.8	9.9		18.4	32.0	1.2	.4		32.8	900
	12-14		10.3	.3	6.2		16.2	20.7	.8	.3		21.7	899
	15-17		10.9	.3	6.2		17.3	19.4	.2	.3		19.9	900
	18-20		8.3	.8	7.6		16.6	18.8		.4		19.2	899
	21-23		8.4	.6	7.1		15.7	20.1		.6		20.7	900
TOTALS			9.3	.6	8.1		17.4	25.3	.4	.5		26.0	7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

20114

FAIRCHILD AFB WA

69-78

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	0-02		7.6	.5	15.9		23.3	28.0		.5		28.2	930
	03-05		7.7	.8	16.1		22.2	30.8	.1	.5		31.1	930
	06-08		9.2	1.1	15.7		24.9	35.3	.1	.1		35.3	930
	09-11		7.7	1.0	17.3		25.8	36.2	.3			36.2	930
	12-14		7.2	.2	12.7		19.4	26.0	.2	.2		26.2	930
	15-17		7.0	.2	11.5		18.1	23.8	.4			23.8	930
	18-20		7.4	.4	15.1		21.9	20.1				20.1	930
	21-23		7.0	.8	15.1		21.6	23.7		.6		24.0	930
TOTALS			7.5	.6	14.9		22.2	28.0	.1	.2		25.1	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24114

FAIRCHILD AFB WA

69-79

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		5.0	1.3	17.0		22.6	31.1	.1	.2	.1	31.3	7440
FEB		.0	7.3	.8	19.7		17.9	20.2	.3	.1	.2	20.6	6768
MAR		.0	6.6	.0	4.9		10.9	6.6	.0	.1	.3	7.0	7440
APR		.2	6.6		1.3	.0	7.8	2.5	.0		.2	2.8	7198
MAY		.3	7.4		.2		7.5	1.2			.2	1.4	7431
JUN		.5	5.6				5.6	.6			.2	.8	7200
JUL		.4	3.2			.0	3.2	.5			.1	.6	7438
AUG		.5	3.3				3.3	.7	.1		.3	1.1	7439
SEP		.0	4.6		.0		4.6	2.0	.2		1.0	3.1	7199
OCT		.0	5.1		.9		5.8	6.3	.5		.1	6.7	7440
NOV			9.3	.6	8.1		17.4	25.3	.4	.5		26.0	7198
DEC			7.5	.6	14.9		22.2	28.0	.1	.2		28.1	7440
TOTALS		.2	6.0	.3	4.8	.0	10.7	10.4	.1	.1	.2	10.8	87631

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WMAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XX **WEATHER CONDITIONS** X
ATMOSPHERIC PHENOMENA

24114 FAIRCHILD AFB WA

49-79

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY		32.3	9.4	58.7	.1	72.5	64.3	5.3	3.7		67.3	930
FEB		.4	36.8	3.8	42.4	.5	61.3	52.4	8.0	7.4		55.4	847
MAR		1.3	35.3	.9	33.0	1.8	53.1	27.0	3.4	1.1	.1	29.5	930
APR		2.2	41.3		16.2	1.6	46.8	13.6	1.6		.3	15.1	899
MAY		4.7	41.6	.1	3.7	1.9	42.3	10.9	.4		.2	11.5	929
JUN		9.0	37.6		.1	1.3	37.7	5.4	.4		.6	7.3	900
JUL		7.6	22.3			.3	22.3	2.3	.4		.6	3.3	930
AUG		3.4	26.4			.8	26.4	4.1	1.0		.1	4.8	929
SEP		2.3	27.7		.3	.7	27.7	8.5	3.2		.4	11.2	898
OCT		.6	37.0	.1	4.0	.5	37.5	30.1	10.3	.2		34.1	930
NOV		.2	43.4	2.8	27.6	.3	58.4	56.7	10.4	1.1		59.9	900
DEC			37.1	7.5	52.6	.1	70.4	67.1	4.8	2.6		69.1	930
TOTALS		3.1	34.9	2.0	19.9	.8	46.3	28.6	4.1	.9	.2	30.7	10952

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

C PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- *1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- *2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:
- | | | |
|-----------------------------|-------|--|
| EXTREME DAILY PRECIPITATION | ".00" | equals none for the month (hundredths) |
| EXTREME DAILY SNOWFALL | ".0" | equals none for the month (tenths) |
| EXTREME DAILY SNOW DEPTH | "0" | equals none for the month (whole inches) |
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

- C
- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 47	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USNS)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

2

DATA PROCESSING BRANCH
JAF 5100
AF WEATHER SERVICE/HAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

14

FATTOCHILD AFB WA

49-70

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	.7	15.6	4.2	11.9	2.6	11.3	8.4	2.5						46.9	930	2.35	5.26	.61
FEB	.3	2.8	4.5	12.4	5.8	11.2	4.1	1.2						39.2	947	1.41	3.56	.34
MAR	.3	11.4	3.8	9.1	5.6	8.8	3.2	1.2						31.7	937	1.24	2.74	.12
APR	.7	2.5	3.8	7.7	3.9	6.2	3.1	1.7	.1					25.8	910	1.53	3.12	.43
MAY	5.3	18.7	3.3	6.5	3.9	6.7	4.4	.6	.2					24.9	930	1.17	2.16	.13
JUN	6.2	15.1	2.6	6.4	4.3	4.9	2.5	1.2	.1					22.1	990	1.02	2.49	.01
JUL	7.4	11.5	1.9	3.0	1.7	1.9	1.9	.4	.1					11.1	930	.58	2.29	TRACE
AUG	7.9	12.4	2.6	3.5	1.9	3.3	2.4	.8	.2					14.7	930	.77	2.92	.50
SEP	4.2	11.7	2.6	4.8	2.9	3.8	2.3	.8						17.1	900	.71	1.62	TRACE
OCT	6.5	12.2	2.2	8.5	4.4	5.9	2.9	1.5						25.4	930	1.12	2.84	TRACE
NOV	4.8	19.2	3.0	10.7	8.0	8.9	7.2	2.2	.2					40.0	900	2.37	5.52	.28
DEC	49.1	24.0	4.8	11.5	10.0	11.8	6.5	2.0	.2					46.9	930	2.18	4.56	.71
ANNUAL	52.9	18.2	3.3	8.2	5.1	7.0	4.1	1.3	.1					28.8	10957	15.57		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES PRECIPITATION

(FROM DAILY OBSERVATIONS)

24114 FAIRCHILD AFB WA
STATION STATION NAME

49-79
YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT.	NOV.	DEC	ALL MONTHS
49						.01	TRACE	TRACE	.53	.30	.36	.30	
50	.79	.75	.30	.37	.30	.80	.25	.45	TRACE	.57	.21	.28	.80
51	.28	.12	.35	.18	.17	.22	.15	.27	.20	.67	.42	1.02	1.02
52	.55	.21	.30	.16	.35	.55	.11	.55	.20	.06	.46	.69	.69
53	.83	.29	.20	.59	1.11	.20	TRACE	.59	.32	.10	.74	.76	1.11
54	.80	.38	.82	.06	.24	.20	.35	.44	.48	.46	.31	.34	.82
55	.25	.67	.20	.41	.15	.39	.17	TRACE	.38	.68	.79	.49	.79
56	.48	.34	.24	.02	.14	.25	.24	.34	.11	.76	.12	.18	.76
57	.30	.21	.21	.14	.46	1.00	.04	.01	.52	.55	.16	.40	1.00
58	.44	.69	.26	.46	.30	.46	.17	.06	.17	.28	.80	.50	.80
59	.66	.36	.40	.19	.51	.32	TRACE	1.05	.41	.32	.77	.40	1.05
60	.20	.46	.60	.36	1.13	.15	TRACE	.45	.58	.35	.95	.61	1.13
61	.61	.69	.34	.36	.57	.40	.37	.23	.08	.45	.42	.55	.69
62	.48	.44	.51	.85	.32	.42	.32	.35	.81	.55	.41	.40	.85
63	.52	.49	.29	.20	.43	.82	.18	.17	.51	.61	1.12	.55	1.12
64	.37	.31	.53	.20	.11	1.41	.47	.53	.44	.22	.44	1.15	1.41
65	.44	.34	.06	1.13	.44	.38	.67	1.36	.08	.03	.52	.38	1.36
66	.64	.08	.76	.26	.09	.31	.57	.08	.55	.18	.86	.70	.86
67	.65	.13	.67	.36	.47	.70	.08	TRACE	.48	.49	.25	.32	.70
68	.37	.56	.84	.03	.40	.50	.26	.57	.29	.73	1.23	.59	1.23
69	.72	.58	.28	.61	.31	.70	.05	.00	.25	.21	.46	.64	.72
70	.79	.86	.32	.42	.45	.94	.42	.03	.47	.96	.46	.41	.96
71	.64	.29	.71	.70	.49	.54	.30	.18	.30	.69	.32	.96	.96
72	.35	.24	.35	.37	.98	.32	.29	.48	.44	.11	.47	.56	.98
73	.55	.22	.40	.66	.79	.17	TRACE	.22	.85	.30	.93	.62	.93
74	.97	.46	.78	.18	.29	.14	.60	.02	.15	.05	.80	.42	.97
75	.46	.66	.33	.52	.51	.50	1.06	.27	.05	.78	.33	.51	1.06
76	.45	.49	.38	.38	.33	.73	.46	.60	.04	.35	.07	.26	.73
77	.18	.21	.39	.12	.27	.73	.08	.45	.46	.18	.58	.76	.76
78	.42	.38	.21	.65	.52	.57	.56	.94	.35	TRACE	.56	.16	.94
MEAN													
S. D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

49-79

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB.	MAR	APR.	MAY	JUN	JUL	AUG	SEP.	OCT	NOV.	DEC	ALL MONTHS
79	.47	.33	.33	.38	.47								
MEAN	.522	.408	.412	.377	.437	.494	.274	.356	.350	.400	.544	.530	.938
S. D.	.199	.202	.209	.255	.265	.306	.249	.334	.217	.262	.294	.237	.194
TOTAL OBS	930	847	930	900	930	900	930	930	900	930	900	930	10957

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

24114 FAIRCHILD AFB WA
STATION STATION NAME

49-79
YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH/ YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49						.01	TRACE	TRACE	1.19	1.00	1.68	.91	
50	3.51	1.58	1.52	.52	.43	1.86	.31	.45	TRACE	2.45	.93	1.25	14.81
51	1.89	.42	.89	.27	.50	.53	.43	.32	.40	2.47	1.22	3.27	12.67
52	3.37	1.14	.81	.27	.74	1.32	.11	.55	.48	.11	.80	3.07	12.77
53	4.03	.75	.92	1.23	1.91	.76	TRACE	1.78	.52	.20	1.98	2.17	16.25
54	4.51	1.07	1.37	.23	.65	.47	.60	1.34	1.62	.57	1.22	1.20	14.85
55	1.19	1.31	.57	1.19	.32	.60	.72	TRACE	.87	1.70	3.15	2.33	13.95
56	2.71	1.76	.95	.03	.28	.62	.31	.93	.14	1.51	.28	.71	10.23
57	1.68	.61	1.08	.35	1.38	1.85	.06	.03	.70	1.77	.76	1.23	11.50
58	1.78	2.76	.95	1.66	.73	.84	.35	.06	.33	.76	3.35	1.69	15.26
59	4.02	1.73	.83	.56	1.82	.40	TRACE	1.26	1.40	1.20	2.42	1.09	16.73
60	.87	1.46	2.15	1.51	2.11	.17	TRACE	.79	.88	1.08	4.00	1.22	16.24
61	1.78	3.56	1.53	.99	1.37	.98	.37	.47	.14	1.13	1.48	2.17	15.97
62	.98	1.53	2.06	1.07	2.02	.65	.49	.78	1.01	1.68	2.52	1.36	16.15
63	.62	1.67	.80	1.11	.96	1.06	.26	.57	.91	1.08	2.68	2.23	13.95
64	2.26	.78	1.35	.32	.13	2.49	.59	1.37	.64	.32	2.23	4.55	17.03
65	2.53	.75	.12	2.25	1.53	.44	.90	2.92	.31	.08	2.64	1.63	16.10
66	1.58	.36	2.64	.36	.34	.90	1.05	.23	.56	.47	3.27	3.28	15.04
67	2.63	.44	1.67	1.87	1.43	2.00	.08	TRACE	.61	1.78	.91	1.78	15.20
68	1.46	2.54	.99	.08	.90	1.11	.31	1.84	1.01	2.80	3.19	3.06	19.29
69	5.26	1.42	.52	3.12	.85	1.35	.08	.00	.77	.57	.62	3.13	17.69
70	4.47	1.98	1.07	1.61	.97	1.78	1.02	.03	.55	2.84	2.08	2.08	20.48
71	1.98	.97	2.29	1.57	1.64	1.62	.46	.48	1.31	1.22	1.92	3.07	18.53
72	2.05	1.13	1.31	1.23	1.99	1.45	.45	1.44	.72	.25	1.08	2.34	15.44
73	2.19	.55	1.09	.85	1.53	.59	TRACE	.35	1.42	1.40	6.52	4.56	21.05
74	4.07	1.84	2.74	.72	1.17	.31	1.19	.03	.15	.08	2.99	2.35	17.64
75	2.20	3.06	1.47	1.65	1.17	1.45	2.29	.60	.05	1.98	1.57	1.58	19.07
76	1.16	1.20	.75	.92	1.00	1.08	.70	1.89	.04	.60	.28	.73	10.35
77	.61	.34	1.15	.13	1.59	1.10	.10	1.09	1.58	.42	2.06	4.27	14.44
78	1.92	1.44	.72	2.47	2.16	.86	1.65	1.41	.93	TRACE	2.13	1.02	16.71
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

2

(FROM DAILY OBSERVATIONS)

49-79

YEAPS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

DAVE P. COLLINS, JR. FRANCH
JAN 1980
1711 AIRPORT SE. ARLINGTON

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

14 FAIRCHILD AFB WA

49-79

STATION

STATION NAME

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.05	06-10	.11-.25	26-50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	23.5	11.2	11.3	5.7	3.1	2.2	1.5	.8						35.4	937	16.7	50.7	5.8
FEB	21.4	7.6	8.3	3.4	1.4	.4	.4	.2						21.6	847	6.8	31.6	TRACE
MAR	19.8	5.6	5.9	1.5	.3	.3	.1							13.8	933	3.7	11.4	TRACE
APR	13.3	1.8	1.2	.2	.1									3.3	899	.7	5.3	.3
MAY	3.2	.1	.2											.3	929	.1	1.3	.0
JUN	.9	.1													900	TRACE	TRACE	.3
JUL	10.1														930	.0	.0	.3
AVG	10.0														930	.0	.3	.8
SEP	.9	.2													900	TRACE	TRACE	.0
OCT	2.2	.5	.4	.6		.1	.1							1.3	930	.5	5.2	.2
NOV	12.6	14.1	4.1	9.7	2.1	1.1	.5	.5	.2					13.4	900	5.9	25.2	TRACE
DEC	25.4	6.4	9.9	5.9	2.3	1.3	1.5	.2	.1					27.6	929	13.5	36.6	.9
YR	10.3	3.1	3.5	1.6	.7	.4	.3	.1	.1					9.7	18954	47.9		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

24114 FAIRCHILD AFB WA
STATION STATION NAME

49-79
YEARS

24 HOUR AMOUNTS IN INCHES

MONTH/ YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49						.0	.0	.0	.0	TRACE	2.0	3.0	
50	7.5	7.5	3.3	TRACE	TRACE	.0	.0	.0	.0	TRACE	2.2	2.4	7.5
51	4.3	2.3	1.7	.0	.0	.0	.0	.0	.0	.7	1.0	10.8	10.8
52	5.5	2.1	1.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	6.9	6.9
53	4.1	1.2	1.2	.1	.0	.0	.0	.0	.0	.0	.3	1.8	4.1
54	6.5	1.4	.2	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	2.1	6.5
55	2.4	5.4	2.0	.4	TRACE	.0	.0	.0	.0	TRACE	7.9	2.4	7.9
56	4.5	2.6	2.4	TRACE	.0	.0	.0	.0	.0	1.0	.9	1.5	4.5
57	3.0	2.1	1.5	.1	.0	.0	.0	.0	.0	4.8	1.4	2.6	4.8
58	1.7	TRACE	2.0	TRACE	.0	.0	.0	.0	.0	.0	3.2	5.0	5.0
59	4.2	3.6	1.8	TRACE	1.0	.0	.0	.0	.0	.0	4.6	2.2	4.6
60	3.2	1.5	1.9	1.8	.1	.0	.0	.0	.0	.0	1.5	2.3	3.2
61	6.3	2.3	2.0	.8	TRACE	.0	.0	.0	TRACE	TRACE	3.1	2.5	6.3
62	4.4	2.7	3.9	.9	.0	.0	.0	.0	.0	.0	1.7	.3	4.4
63	5.9	2.0	1.0	.2	TRACE	.0	.0	.0	.0	.0	TRACE	5.5	5.9
64	4.7	2.5	1.0	1.0	.0	.0	.0	.0	.0	TRACE	5.8	5.5	5.8
65	4.5	1.0	.2	1.2	.0	.0	.0	.0	.0	.0	4.0	6.0	6.0
66	2.6	1.0	3.8	TRACE	TRACE	.0	.0	.0	.0	.5	1.5	3.8	3.8
67	2.2	2.5	2.1	.2	1.3	.0	.0	.0	.0	TRACE	4.0	4.6	4.6
68	3.4	.4	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	1.0	4.8	4.8
69	7.3	1.0	2.2	.8	.0	.0	.0	.0	.0	TRACE	TRACE*	3.0	7.3
70	3.5	1.5	5.4	*TRACE	*TRACE	.0	.0	.0	.0	TRACE	3.4	3.0	5.4
71	3.0	2.3	.9	TRACE	TRACE	.0	.0	.0	.0	2.8	3.2	6.0	6.0
72	4.5	2.6	1.1	1.0	.0	.0	.0	.0	.0	1.1	TRACE	2.5	4.5
73	3.8	2.2	.7	.6	TRACE	TRACE	.0	.0	.0	1.1	8.0	4.8	8.0
74	5.6	1.9	1.0	.2	TRACE	.0	.0	.0	.0	.0	.5	5.5	5.6
75	7.8	8.8	4.3	2.7	TRACE	.0	.0	.0	.0	.3	5.2	4.7	8.8
76	4.5	1.9	3.2	.6	.0	.0	.0	.0	.0	.0	.1	1.5	4.5
77	2.0	1.0	1.3	TRACE	TRACE	.0	.0	.0	TRACE	TRACE	4.9	8.3	8.3
78	5.1	5.2	.9	.3	TRACE	.0	.0	.0	.0	TRACE	3.8	2.3	5.2
MEAN													
S. D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-885 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS)

24114 FAIRCHILD AFB WA
STATION STATION NAME

49-79

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)



USAF ETAC FORM 0-88-5 (OIA)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXX
EXTREME VALUES
XXXXXXXXXX
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

24114 FAIRCHILD AFB WA
STATION STATION NAME

49-79

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB	MAR.	APR	MAY	JUN	JUL	AUG.	SEP	OCT.	NOV	DEC	ALL MONTHS
49						.0	.0	.0	.0	TRACE	2.0	4.3	
50	44.4	10.3	5.9	TRACE	TRACE	.0	.0	.0	.0	TRACE	5.9	5.4	71.9
51	21.0	4.5	5.4	.0	.0	.0	.0	.0	.0	.7	1.0	32.6	65.2
52	31.8	7.1	3.8	TRACE	.0	.0	.0	.0	.0	.0	TRACE	25.6	68.3
53	10.6	2.7	2.1	.2	.0	.0	.0	.0	.0	.0	.3	4.3	20.2
54	31.8	3.8	.5	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	6.2	42.3
55	11.7	17.6	3.3	.4	TRACE	.0	.0	.0	.0	TRACE	25.0	16.3	74.3
56	16.5	14.2	6.0	TRACE	.0	.0	.0	.0	.0	1.1	1.8	3.3	42.9
57	16.7	4.4	3.5	.1	.0	.0	.0	.0	.0	5.0	2.5	6.0	38.2
58	5.8	TRACE	2.0	TRACE	.0	.0	.0	.0	.0	.0	7.4	6.8	22.0
59	19.4	16.1	2.5	TRACE	1.0	.0	.0	.0	.0	.0	5.9	5.2	50.1
60	8.5	3.5	6.5	3.0	.1	.0	.0	.0	.0	.0	5.4	7.1	34.1
61	6.3	8.3	4.0	.8	TRACE	.0	.0	.0	TRACE	TRACE	10.1	16.4	45.9
62	8.8	4.5	11.4	.9	.0	.0	.0	.0	.0	.0	4.1	.5	30.2
63	6.3	3.2	1.1	.2	TRACE	.0	.0	.0	.0	.0	TRACE	19.6	30.4
64	19.8	5.9	2.5	2.0	.0	.0	.0	.0	.0	TRACE	11.6	36.6	78.4
65	16.3	1.5	.2	1.5	.0	.0	.0	.0	.0	.0	8.4	19.4	47.3
66	10.8	2.0	7.5	TRACE	TRACE	.0	.0	.0	.0	.5	1.7	8.6	31.1
67	10.8	3.3	7.3	.5	1.3	.0	.0	.0	.0	TRACE	5.2	18.6	47.0
68	12.7	.4	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	1.3	15.7	30.1
69	50.7	5.1	2.2	.8	.0	.0	.0	.0	.0	TRACE	TRACE*	15.2	* 74.0
70	18.8	2.5	6.6	*TRACE	*TRACE	.0	.0	.0	.0	TRACE	6.9	15.9	* 50.7
71	8.2	8.0	3.7	TRACE	TRACE	.0	.0	.0	.0	3.8	7.0	34.9	65.6
72	17.1	7.0	2.8	1.0	.0	.0	.0	.0	.0	1.1	TRACE	7.5	36.5
73	6.3	3.3	1.0	.6	TRACE	TRACE	.0	.0	.0	1.1	25.2	8.2	45.7
74	12.1	6.4	2.1	.3	TRACE	.0	.0	.0	.0	.0	.7	15.2	36.8
75	25.7	31.6	9.1	6.3	TRACE	.0	.0	.0	.0	.6	12.0	8.0	93.3
76	15.4	6.1	4.2	.6	.0	.0	.0	.0	.0	.0	.3	5.3	31.9
77	5.8	1.1	1.8	TRACE	TRACE	.0	.0	.0	TRACE	TRACE	11.5	27.1	47.3
78	16.7	7.3	2.1	.4	TRACE	.0	.0	.0	.0	TRACE	14.8	10.6	51.9
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

*****EXTREME VALUES*****

'FROM DAILY OBSERVATIONS)

49-79

YEARS

	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT.	NOV	DEC.	ALL MONTHS
YEAR	79	14.6	12.0	.7	.4	TRACE								
MEAN	16.71	6.79	3.73	.69	.08	TRACE	.00	.00	TRACE	.46	5.93	13.49	47.37	
S.D.	10.891	6.434	2.785	1.280	.299	.000	.000	.000	.000	1.141	6.747	9.967	18.422	
TOTAL OBS.	930	847	930	899	929	900	930	930	900	930	900	929	10954	

NOTE * (BASED ON LESS THAN FULL MONTHS)

DATA PROCESSING BRANCH
 00000000
 00000000 SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOW DEPTH
 (FROM DAILY OBSERVATIONS)

STATION PATRICK AFB TX STATION NAME YEARS 69-79

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	7.5	14.6	6.6	6.7	5.7	19.5	12.4	6.7	3.2	.2				6.4	930			
FEB	17.7	7.8	6.4	6.3	3.9	1.7	7.7	3.4	.4	.8				39.6	847			
MAR	11.9	7.7	4.3	2.7	1.6	3.	.9							12.5	930			
APR	1.6	1.2	.2	.2	.1									.6	930			
MAY	.0														930			
JUN	.0														930			
JUL	0.0														930			
AUG	0.0														930			
SEP	0.0														930			
OCT	9.9	.0	.4	.1		.1								.6	930			
NOV	17.3	5.9	3.3	2.9	2.3	3.1	.9							11.8	900			
DEC	45.8	8.6	8.0	7.7	5.6	13.5	6.1	1.2	.3					45.6	930			
ANNUAL	61.9	3.8	2.4	2.2	1.8	4.1	2.3	.9	.3	.1				14.3	10957			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES SNOW DEPTH

FROM DAILY OBSERVATIONS

24114 FAIRCHILD AFB WA
STATION STATION NAME

49-79
YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APP	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49						0	0	0	0	0	0	5	
50	23	27	4	0	0	0	0	0	0	0	1	3	27
51	8	5	6	0	0	0	0	0	0	0	1	28	28
52	36	12	2	0	0	0	0	0	0	0	0	12	36
53	9	1	TRACE	0	0	0	0	0	0	0	0	TRACE	9
54	17	8	TRACE	0	0	0	0	0	0	0	0	3	17
55	6	8	11	0	0	0	0	0	0	0	10	9	11
56	7	6	3	0	0	0	0	0	0	1	1	2	7
57	10	11	2	TRACE	0	0	0	0	0	5	2	1	11
58	2	0	2	0	0	0	0	0	0	0	3	5	5
59	9	7	TRACE	0	0	0	0	0	0	0	6	2	9
60	9	2	3	TRACE	0	0	0	0	0	0	1	3	9
61	6	1	1	TRACE	0	0	0	0	0	0	4	11	11
62	6	2	6	0	0	0	0	0	0	0	1	TRACE	6
63	TRACE	6	TRACE	TRACE	0	0	0	0	0	0	TRACE	12	12
64	11	6	1	2	0	0	0	0	0	0	5	16	16
65	14	4	0	0	0	0	0	0	0	0	4	11	14
66	7	0	4	0	0	0	0	0	0	0	1	4	7
67	3	1	2	0	0	0	0	0	0	0	4	8	8
68	7	5	0	0	0	0	0	0	0	0	1	6	7
69	41	45	9	0	0	0	0	0	0	0	0	3	45
70	7	1	5	0	0	0	0	0	0	0	5	7	7
71	5	5	5	0	0	0	0	0	0	1	3	15	15
72	9	10	1	1	0	0	0	0	0	1	0	4	10
73	4	2	TRACE	0	0	0	0	0	0	0	8	5	8
74	6	1	TRACE	TRACE	0	0	0	0	0	0	0	6	6
75	12	24	4	3	0	0	0	0	0	TRACE	3	5	24
76	5	2	1	1	0	0	0	0	0	0	TRACE	2	5
77	5	1	TRACE	0	0	0	0	0	0	0	5	12	12
78	17	12	1	TRACE	0	0	0	0	0	0	8	9	17
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-885 (CIA)

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

24114	FAIRCHILD AFB WA
STATION	STATION NAME

49-79

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VREL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

* Values for means and standard deviations do not include measurements from incomplete months.

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

24114 FAIRCHILD AFB WA
STATION STATION NAME

49-79
YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49						SW 43	MSW 37	SSW 35	SW 36	MSW 36	MSW 62	SW 45	
50	S	42SSW	48SSW	36SW	50MSW	38MSW	35S	40SW	38SW	35SSW	54SSE	50SSW	40 SSW 54
51	SW	64SW	40SW	59NNW	34MSW	39NNW	45SW	49SSW	30MSW	40SW	36MSW	41MSW	*46 SW 64
52		E	*31MSW	50SW	41W	38SW	40NNW	36NNW	34MSW	34NNW	37SSE	26MSW	*43
53	SW	55W	35MSW	45MSW	35SW	33MSW	39SW	30SE	35MSW	43SW	30SW	39MSW	46 SW 55
54	SW	40SW	43SW	*45MSW	48SW	43MSW	47SSW	34NNW	43SSW	34SW	48SSW	44SW	46 MSW 48
55	SSW	*38SW	*49SW	*67MSW	45MSW	41MSW	51SSW	*46SW	33W	32NNW	38SSW	42SW	47 SW *67
56	SSW	44SSW	45SSW	64SW	45MSW	40MSW	59SSW	*40SW	35MSW	40SW	44MSW	49SW	45 SSW 64
57	SW	29SW	51MSW	49SW	48SSW	56SSW	42MSW	36SSW	32MSW	37SSW	35SW	43SW	*47 SSW 56
58	SW	46SW	49S	29MSW	32SW	30SSW	29W	31W	39MSW	39SW	34SW	35SSW	39 SW 49
59	SW	34SSW	31MSW	36SW	*34MSW	36SW	33SW	33W	29SW	*33		SW 39	
60	SSW	21SW	30SSW	33MSW	39MSW	36SSW	*33E	26SSW	*25SSW	*22SSW	*35SW	*36SSW	30 MSW 39
61	SSW	30SW	*35SSW	39MSW	*37NE	*24MSW	*30SSW	27MSW	*33SSW	*38MSW	*35SSW	*31MSW	*55 MSW *55
62	SSW	33NE	28W	28SW	40W	32W	35SSW	*30SSW	*26NNE	30S	34SSW	45SSW	*30 SSW 45
63	NE	*28MSW	*34SSW	41SW	37MSW	34SW	29MSW	28NNW	*18MSW	*32SSW	27SW	34SW	30 SSW 41
64	SW	46SSW	35SSW	37SW	36SW	37ENE	26SSW	29W	34SSW	34W	39SSW	32SW	47 SW 47
65	SW	45SW	49NNE	30SSW	31MSW	*42N	*28N	26SSW	27NE	30SSW	37SW	35MSW	34 SW 49
66	S	50W	46SSW	36SSW	32SW	31MSW	29S	29SW	30S	31SSW	34S	35SE	28 S 50
67	SSW	46SSW	36S	39S	30SSW	30NW	26SW	*26SW	31SSW	34SSW	42S	34SW	40 SSW 46
68	SSW	36SSW	31W	36SSW	40SW	43SE	3227/	3820/	3020/	3423/	3020/	2920/	43 SW 43
69	23/	3420/	34 5*	2623/	3634/	28 3*	2724/	2925/	2323/	34 6*	2826/	2322*	26 23/ 36
70	24/	28 3/	3025/	3022/	3820*	2623/	3222/	3423/	2922/	3420/	2621/	3822/	35 22/ 38
71	21/	4323/	4623/	5226/	4133/	3923/	29 3/	3522/	2854/	3126/	3519/	3820/	41 23/ 52
72	21/	5122/	4623/	4425/	3926/	34 2/	26 2/	2922/	3026/	32 6/	2722*	2123/	32 21/ 51
73	20/	3423/	2723/	3125/	3524/	3524/	3628/	3124/	3422/	2820/	3019/	4122/	32 19/ 41
74	22/	4424/	3122/	4124/	3426/	2924/	3123*	28 6/	26 6/	3123/	2422/	3023/	38 22/ 44
75	22/	4026/	3833/	3025/	2823/	3829/	3435/	2428/	24 7/	2421/	3119/	3921/	37 22/ 46
76	20/	3427/	4222/	40 6/	3826/	3625/	3620/	2719/	3527/	2623/	2823/	2823/	33 27/ 42
77	23/	2823/	2827/	4120/	3920/	2829/	3024/	31 3*	2523/	2423/	3223/	4424/	38 23/ 44
78	20/	4022/	2422/	3625/	3424/	3116/	4228/	3318/	2426/	3123/	2928/	4422/	40 28/ 44
MEAN													
S. D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

S (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

49-79

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

S (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	.8	.1								4.1	5.0
NNE	2.3	2.8	2.4	.3	.2	.1						8.1	6.3
NE	2.2	3.9	1.6	1.2	.1							8.9	6.0
ENE	2.5	4.1	1.5	.3								8.4	5.1
E	1.8	1.1	.3	.1								3.3	3.9
ESE	.6	.2	.2									1.1	3.8
SE	.5	.4	.4									1.4	5.3
SSE	.6	1.3	.6	.2								2.8	5.6
S	1.7	3.0	1.5	1.0								7.2	6.3
SSW	1.5	3.3	2.5	4.2	1.1	.2	.6					13.4	10.6
SW	1.4	1.3	1.4	4.5	.9	.3						9.8	11.0
WSW	1.1	.5	1.0	.5	.3	.2						3.7	9.0
W	1.8	1.4	.1									3.3	3.6
WNW	.4	.3	.3									1.1	4.6
NW	.2	.3	.1									.6	4.0
NNW	.8	.4	.2									1.4	4.0
VARBL													
CALM												21.4	
	20.8	26.3	14.9	12.5	2.6	.9	.6					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114

FAIRCHILD AFB WA

77-79

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.5									3.1	4.3
NNE	.9	2.7	2.5	.8	.3	.1						7.2	7.7
NE	3.7	3.9	2.7	.3								9.9	5.4
ENE	1.6	2.9	2.5	.3								7.3	5.8
E	1.5	2.2	.6									4.4	4.4
ESE	.4	.6										1.1	4.0
SE	.5	.5		.2								1.3	5.0
SSE	.4	1.2	.6		.1							2.4	5.6
S	2.9	3.7	1.6	.9	.1							8.3	6.1
SSW	.5	2.9	3.8	2.9	1.5	.9	.4					12.8	11.6
SW	1.0	1.1	2.0	2.7	1.5	.1	.2					8.6	11.7
WSW	1.0	.8	.8	.6	.1	.1						3.3	7.4
W	1.4	1.0	.5	.1	.1							3.1	5.0
WNW	.8	.1		.3								1.2	5.5
NW	.3	.2	.1									.6	3.7
NNW	.4	.8	.1	.2								1.5	5.4
VARBL													
CALM												23.9	
	17.2	25.7	18.4	9.4	3.8	1.1	.6					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

930

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.8	.5									3.4	4.5
NNE	2.2	2.0	1.9	.6	.3							7.1	6.7
NE	2.7	5.3	3.5	.8								12.3	5.9
ENE	2.4	3.3	2.9									8.6	5.4
E	1.9	1.8	.6									4.4	4.0
ESE	.3	.1	.1									.5	4.0
SE	.2	.3	.2	.3								1.1	7.5
SSE	.5	.8	.6	.1								2.0	6.1
S	1.2	3.4	2.9	1.7	.4							9.7	7.7
SSW	1.0	2.0	3.2	3.2	1.5	.1	.1	.3				11.5	11.1
SW	1.2	1.4	1.3	2.7	.9	.3	.2					8.0	10.8
WSW	1.0	1.0	1.0	.3	.1	.2						3.5	7.6
W	1.4	.6	.4	.2	.2							2.9	5.7
WNW	.4	.3	.1									.9	4.1
NW	.1	.2	.2									.5	5.2
NNW	.4	.6	.2	.1								1.4	5.4
VARBL													
CALM												22.2	
	18.0	25.2	19.9	10.1	3.4	.6	.3	.3				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

77-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	.5	.4								3.3	6.0
NNE	1.7	3.9	1.5	.5	.1							7.7	5.6
NE	1.7	4.0	3.9	1.1	.5							11.2	7.3
ENE	2.9	5.6	2.9	.2	.1							11.7	5.5
E	2.6	1.4	.3									4.3	3.5
ESE	.6	.3										1.0	2.9
SE	.8	.5		.2								1.5	4.4
SSE	.4	.8	.5	.5								2.3	7.0
S	2.6	3.2	3.4	2.3	.1	.1						11.7	7.2
SSW	.9	2.0	4.4	4.4	1.4	.4	.1					13.7	11.0
SW	.6	1.3	2.0	1.2	1.1	.9						7.1	11.7
WSW	.6	1.3	.5	.8	.3	.3						3.9	9.6
W	.8	1.2	.2	.3	.1	.1						2.7	6.9
WNW	.1	.4	.1									.6	4.8
NW		.2	.2	.2								.6	9.5
NNW	.2	.1		.1								.4	5.3
VARB													
CALM												16.2	
	17.3	27.8	20.6	12.3	3.8	1.8	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

73-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.2	.5	.2	.1							1.8	6.5
NNE	1.3	2.5	2.2	1.0	.2							7.1	7.0
NE	1.9	4.4	4.9	1.4	.1							12.8	6.9
ENE	3.0	5.1	2.9	.3	.3							11.6	5.7
E	3.2	3.0	.4									6.7	3.7
ESE	.9											.9	2.0
SE	.5	.6	.1									1.3	3.9
SSE	1.0	1.2	.8	.1								3.0	5.1
S	1.6	1.6	2.8	1.8	.3							8.2	8.0
SSW	1.0	1.5	3.2	4.0	1.2	.3						11.2	11.0
SW	1.0	1.2	3.5	3.1	1.6	.8						11.2	11.7
WSW	1.6	1.1	1.3	1.6	.1	.2	.2	.1				6.2	9.2
W	1.2	1.1	1.1	.4								3.8	6.4
WNW	.1	.3	.5	.1								1.1	6.9
NW	.3	.2	.1	.2								.9	6.6
NNW	.1	.2										.3	3.7
VARBL													
CALM												12.0	
	19.5	24.2	24.4	14.3	4.0	1.3	.2	.1				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

70-79

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.9	.3	.1								1.4	6.3
NNE	2.2	3.8	1.7	.9	.4							8.9	6.5
NE	1.5	4.6	3.1	.5								9.8	6.1
ENE	2.9	3.2	2.3	.3								8.7	5.2
E	2.2	3.2	1.1									6.5	4.5
ESE	.6	.6	.2									1.5	4.1
SE	.5	.6										1.2	3.8
SSE	1.4	.9	.6	.1								3.0	4.7
S	1.9	3.0	2.3	1.8	.2							9.2	7.2
SSW	1.3	1.8	2.3	2.9	1.3	.3						9.9	11.4
SW	1.5	2.7	1.8	4.2	.8	.9						11.8	10.6
WSW	1.4	3.1	.5	.9	.4	.1						6.5	6.9
W	.6	1.1	1.0	.1	.1	.1						3.0	7.0
WNW	.4	.5	.3	.1								1.4	5.6
NW	.1		.1	.1								.3	8.7
NNW		.4										.4	4.3
VARBL													
CALM												16.5	
	18.7	30.5	17.6	12.0	3.2	1.4						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

79-79
YEARS

JAN
MONTH

ALL WEATHER
CLAS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.9	.6	.1								3.2	5.3
NNE	1.2	3.7	2.0	.8	.2							7.8	6.5
NE	1.6	4.5	2.0	.2								8.4	5.6
ENE	1.5	3.9	1.8									7.2	5.3
E	2.2	1.4	.1	.1								3.8	3.7
ESE	.2	.5	.3	.1								1.2	5.7
SE	.9	.9	.1	.1								1.9	4.1
SSE	1.1	1.3	.2	.1								2.7	4.5
S	1.9	2.5	1.8	1.7	.1							8.1	7.0
SSW	2.3	2.4	2.3	3.2	1.2	.6						11.9	9.9
SW	1.4	2.2	1.9	2.7	1.5	.5	.1					10.3	10.8
WSW	2.2	1.7	1.0	.8	.3							5.9	6.3
W	1.4	1.3	.2	.1								3.0	4.0
WNW	.6	.6	.1									1.4	4.0
NW	.1	.1	.2	.1								.5	7.2
NNW	.1	.9										1.0	4.3
VARBL													
CALM												21.6	
	19.1	29.7	14.8	10.1	3.3	1.2	.1					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/AAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

76-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.1	.6	.4								2.1	6.5
NNE	1.2	2.5	2.6	.1	.1	.1						6.0	6.3
NE	2.7	3.7	2.8	.5	.2							9.1	5.6
ENE	1.9	3.7	2.3	.3								8.2	5.4
E	1.6	1.7										3.3	3.4
ESE	.4	.5	.4	.1								1.5	6.4
SE	.3	.3	.3									1.0	5.2
SSE	1.0	1.3	1.2	.2								3.7	5.6
S	1.9	2.6	2.5	1.0	.4							8.4	7.2
SSW	1.4	3.1	3.0	3.9	.9	.4	.3					13.0	10.3
SW	1.2	2.2	1.8	3.3	1.0	.5						10.0	10.5
WSW	1.7	.9	.4	.8	.1	.1						4.0	6.6
W	.8	.8	.2									1.7	4.1
WNW	.3	.2	.1									.6	3.8
NW	.2		.3	.1								.6	7.0
NNW	.5	.5	.2									1.3	4.2
VARBL													
CALM												24.5	
	16.1	24.9	17.5	10.8	2.7	1.2	.3					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114 FAIRCHILD AFB WA 70-79

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

JAN

MONTH

ALL

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	1.3	.6	.2	.0							2.9	5.4
NNE	1.6	3.0	2.0	.6	.2	.0						7.5	6.6
NE	2.2	4.3	3.0	.8	.1							10.3	6.2
ENE	2.3	4.0	2.4	.2	.1							9.0	5.4
E	2.1	2.0	.4	.0								4.6	3.9
ESE	.5	.4	.2	.0								1.1	4.3
SE	.5	.5	.1	.1								1.3	4.8
SSE	.8	1.1	.7	.2	.0							2.7	5.5
S	1.9	2.9	2.4	1.5	.2	.0						8.8	7.1
SSW	1.2	2.4	3.1	3.6	1.2	.4	.2	.0				12.2	10.7
SW	1.2	1.7	2.0	3.1	1.1	.5	.1					9.6	11.1
WSW	1.3	1.3	.8	.8	.2	.2	.0	.0				4.6	7.8
W	1.2	1.0	.5	.2	.1	.0						2.9	5.4
WNW	.4	.4	.2	.1								1.0	5.0
NW	.2	.2	.2	.1								.6	6.4
NNW	.3	.5	.1	.1								1.0	4.7
VARBL													
CALM												19.8	
	18.6	26.8	18.5	11.4	3.3	1.2	.3	.1				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 7440

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2-114

FAIRCHILD AFB WA

70-79

FEB

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

0000-0200

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.5	.5	.1								1.7	5.6
NNE	2.4	.8	1.1	.6								4.8	5.4
NE	1.8	3.5	2.1	1.5		.4						9.3	7.1
ENE	2.5	4.0	1.3	.7								8.5	5.2
E	2.6	1.4	.5									3.9	3.8
ESE	.6	.5	.1									1.2	3.5
SE	.9	.8	.6	.4								2.7	5.7
SSE	1.1	1.9	.2	.1	.1							3.4	5.0
S	2.8	3.9	1.8	1.1	.1	.1						9.8	6.3
SSW	1.3	4.4	4.5	3.5	1.2	.4						15.2	9.2
SW	1.2	1.8	2.5	3.2	.8	.2	.1					9.8	10.2
WSW	.5	.8	.7	.2	.2							2.5	7.6
W	.5	.4	.4	.2	.1							1.7	7.0
WNW	.2	.6	.2									1.1	5.4
NW	.1	.1	.2									.5	6.0
NNW	.2	.4	.1									.7	4.3
VARBL													
CALM												23.2	
	18.7	25.9	16.8	11.7	2.6	1.1	.1					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

846

2

GLOSA CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.7	.2									1.7	4.2
NNE	1.9	1.7	1.4	.4	.2							5.6	5.8
NE	3.5	4.1	1.5	1.2	.2	.2						10.9	6.1
ENE	4.1	4.3	1.2	.5								10.0	4.6
E	1.9	1.1	.8									3.8	4.3
ESE	.5	.5	.6									1.5	5.8
SE	.8	.7	.2	.4								2.1	5.8
SSE	1.2	1.1	1.1	.5								3.8	6.1
S	2.8	4.0	1.3	.9								9.1	5.2
SSW	1.4	3.1	5.8	3.4	.6	.7						15.0	9.3
SW	1.3	2.2	2.4	2.7	.4	.5	.2					9.7	9.9
WSW	.2	.7	.7	.6	.5	.1						2.8	10.7
W	.8	.9	.4		.1	.1						2.4	6.3
WNW	.5	.6	.2									1.3	4.8
NW		.1	.1									.2	6.0
NNW	.2	.1										.4	3.7
VARBL													
CALM												19.7	
	22.0	25.9	18.0	10.5	2.0	1.7	.2					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 846

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

FEB
MONTH

0600-0800
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.4	.1									1.2	3.7
NNE	2.1	2.7	1.5	.4	.1							6.9	5.5
NE	1.4	5.7	1.7	.4	.5	.2						9.8	6.6
ENE	2.7	5.6	4.3	.2								12.8	5.6
E	1.9	1.5	.6									4.0	4.2
ESE	.4		.1	.1								.6	5.6
SE	.8	.2	.2	.2								1.5	5.5
SSE	.7	.9	.7	.4	.1							2.8	6.3
S	2.4	4.6	3.8	.9								11.7	6.2
SSW	1.7	3.8	6.3	4.4	.8	.4	.1					17.4	9.3
SW	.6	2.5	2.2	2.6	.8	.2	.2					9.2	10.2
WSW	.8	.1	.2	.8	.4	.1						2.5	9.8
W	.5	.6	.4			.1						1.5	6.1
WNW	.1	.2	.2									.6	5.2
NW		.5	.1									.6	5.2
NNW	.1											.1	3.0
VARBL													
CALM												16.8	
	16.9	29.3	22.5	10.4	2.7	1.1	.4					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 846

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

FEB
MONTH

0900-1100
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	.2									1.1	4.8
NNE	.9	1.8	1.1	.6	.2	.2						4.8	7.7
NE	2.2	4.6	3.5	.5	.4	.4						11.6	6.7
ENE	1.9	5.8	5.2	.8								13.7	6.3
E	1.9	4.3	1.2	.1								7.4	4.9
ESE	.1	.2	.1	.2								.7	7.5
SE	.7	1.1		.2								2.0	4.9
SSE	.6	1.1	1.1	.2								3.0	5.8
S	2.2	4.1	4.5	.9								11.8	6.4
SSW	1.3	4.4	5.2	4.6	.6	.2						16.3	9.0
SW	1.1	2.4	3.4	3.7	.9	.5						11.9	10.6
WSW	.1	.7	.8	.9	.5	.2						3.3	11.5
W	.6	.4	.7	.4	.1							2.1	7.8
WNW	.4	.2	.1	.2								.9	6.3
NW	.1	.2		.1								.5	6.0
NNW		.2										.2	5.0
VARBL													
CALM												8.5	
	14.4	32.0	27.2	13.6	2.7	1.5						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

846

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

79-79
YEARS

FEB
MONTH
1200-1400
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.5	.2									1.4	4.0
NNE	.7	1.4	1.1	.4	.7							4.3	8.4
NE	1.4	4.5	3.5	.6	.5	.2	.1					10.9	7.4
ENE	1.7	2.5	3.4	.4								7.9	6.0
E	2.4	2.5	.6									5.4	4.0
ESE	.9	.8	.5	.1								2.4	5.1
SE	1.3	1.4	.8									3.5	4.8
SSE	.6	1.8	1.2	.6								4.1	6.5
S	2.2	3.1	2.6	1.2								9.1	6.5
SSW	.8	2.7	3.4	3.5	1.1							11.6	9.7
SW	1.3	2.4	3.5	4.0	1.5	.6	.1	.1				13.6	11.0
WSW	1.3	1.7	2.4	2.5	.8	.1	.2					9.0	9.7
W	1.3	1.8	1.7	1.4	.2	.1						6.5	8.0
WNW	.2	.4	.1									.7	5.2
NW	.1	.2	.1	.2								.7	7.7
NNW	.1	.1										.2	4.5
VARBL													
CALM												8.6	
	17.1	27.7	25.2	14.9	4.8	1.1	.5	.1				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

846

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

79-79
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	.6	.2									1.9	3.7
NNE	1.4	3.2	.8	.6	.4	.1						6.5	6.7
NE	1.9	3.9	3.2	.5	.5	.2						10.2	7.0
ENE	2.2	3.1	.8	.2								6.4	4.9
E	.9	1.5	.1									2.6	4.1
ESE	.5	1.1	.1									1.7	4.1
SE	1.3	.6	.9									2.8	4.9
SSE	1.5	1.7	1.2	.4								4.7	5.4
S	1.4	3.0	1.5	.9	.1							7.0	6.5
SSW	.7	2.4	4.1	2.1	.5	.2						10.0	9.1
SW	1.7	3.2	4.0	3.1	.8	.2						13.0	8.9
WSW	2.5	2.7	3.1	1.3	.9		.2					10.8	8.1
W	.8	1.8	2.1	.9	.5	.4						6.5	8.9
WNW	.2	.1	.6	.1	.1							1.2	7.5
NW	.6	.4		.1								1.1	4.2
NNW	.7	.1										.8	2.6
VARBL													
CALM												12.9	
	19.5	29.2	22.9	13.3	3.8	1.2	.2					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

846

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.4	.2									1.8	3.6
NNE	2.6	2.7	1.2	1.1	.1							7.7	6.0
NE	1.9	3.0	1.5	.8		.2	.1					7.6	6.7
ENE	2.5	2.8	1.2	.1	.2							6.9	5.1
E	1.8	2.4	.2									4.4	3.8
ESE	.7	.2										.9	2.6
SE	.9	.9	.4									2.2	4.4
S E	1.5	1.1	.6	.1								3.3	4.5
S	2.1	2.7	3.0	.5								8.3	5.9
SSW	2.1	3.7	3.8	2.2	.7	.4						12.9	8.1
SW	2.1	1.4	1.8	2.7	.6	.4						9.0	9.4
WSW	2.0	1.9	1.4	1.1	.5	.1						7.0	7.5
W	1.2	1.8	.6	.5								4.0	5.5
WNW	.9	.6	.1									1.7	3.7
NW	.2	.1	.4									.7	6.2
NNW	.5	.1	.1									.7	3.8
VARBL													
CALM												21.0	
	24.3	25.8	16.4	9.1	2.1	1.1	.1					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

846

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

FEB
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	.1									2.2	4.1
NNE	1.5	1.5	.5	.8	.2	.1						4.7	6.8
NE	2.1	4.4	2.1	1.1	.2							9.9	6.1
ENE	2.7	4.1	1.3	.6								8.7	5.2
E	1.7	1.4	.2									3.3	3.6
ESE	.2	.1										.4	3.0
SE	.9	1.1		.2								2.2	4.5
SSE	1.7	1.1	.5	.2								3.4	4.6
S	3.0	4.0	2.2	1.2								10.4	5.9
SSW	1.8	3.9	2.2	4.1	.5	.1						12.6	8.8
SW	1.7	1.4	2.4	2.7	.6	.5	.2					9.5	10.2
WSW	.7	.8	.8	.8		.1						3.3	7.8
W	.8	1.9	.8	.5								4.0	6.1
WNW	.2	.8	.2									1.3	4.5
NW	.1	.2	.2									.6	5.0
NNW		.6										.6	4.8
VARBL													
CALM												22.7	
	20.2	28.5	13.7	12.3	1.5	.8	.2					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

846

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114

FAIRCHILD AFB WA

70-79

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.6	.2	.0								1.6	4.2
NNE	1.7	2.0	1.1	.6	.3	.1						5.7	6.4
NE	2.0	4.2	2.4	.8	.3	.2	.0					10.0	6.7
ENE	2.5	4.0	2.3	.4	.0							9.4	5.4
E	1.8	2.0	.5	.0								4.4	4.2
ESE	.5	.4	.2	.1								1.2	4.7
SE	1.0	.9	.4	.2								2.4	5.0
SSE	1.1	1.3	.8	.3	.0							3.6	5.5
S	2.4	3.7	2.6	1.0	.0	.0						9.6	6.1
SSW	1.4	3.5	4.4	3.5	.7	.3	.0					13.9	9.1
SW	1.4	2.2	2.8	3.1	.8	.4	.1	.0				10.7	10.1
WSW	1.0	1.2	1.3	1.0	.5	.1	.1					5.1	8.8
W	.8	1.2	.9	.5	.1	.1						3.6	7.3
WNW	.4	.4	.2	.0	.0							1.1	5.2
NW	.2	.2	.1	.1								.6	5.7
NNW	.2	.2	.0									.5	3.9
VARBL													
CALM												16.7	
	19.1	28.0	20.3	11.6	2.8	1.2	.2	.0				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

6768

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114 FAIRCHILD AFB WA 73-79 MAR
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0000-0200
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.0	.2									1.9	4.3
NNE	1.1	1.6	1.2	.5	.1							4.5	6.3
NE	1.8	1.4	.8	.1								4.1	4.7
ENE	2.2	3.9	.9	.2								7.1	4.8
E	1.6	.6	.5									2.8	3.7
ESE	1.1	.5	.3									1.9	3.9
SE	.9	.3	.4									1.6	4.0
SSE	1.4	.9	.4									2.7	4.2
S	3.3	5.4	3.3	.2	.1							12.4	5.4
SSW	1.9	3.3	6.2	2.2	.3	.2						14.2	8.1
SW	1.2	2.6	3.9	2.7	.2							10.5	8.6
WSW	1.3	1.8	1.0	.6	.1	.3						5.2	7.4
W	1.4	2.3	.4	.6								4.7	5.5
WNW	.8	2.2	.5	.3								3.8	5.3
NW	.4	.6	.3									1.4	4.8
NNW	.3	.9										1.2	4.3
VARBL													
CALM												20.0	
	21.4	29.2	20.4	7.5	.9	.5						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114

FAIRCHILD AFB WA

70-79

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	.8	.1								3.0	5.2
NNE	2.4	1.3	1.7	.2								5.6	5.1
NE	1.3	2.0	1.5	.3	.1							5.3	5.9
ENE	3.1	2.8	.9	.1								6.9	4.3
E	1.7	2.0	.5									4.3	4.3
ESE	.9	.8	.1									1.7	3.6
SE	1.0	1.1	.2									2.3	3.9
SSE	.8	1.5	.8									3.0	5.1
S	3.7	4.4	5.5	.1								13.7	5.6
SSW	1.7	5.1	5.4	3.2	.3							15.7	8.0
SW	1.1	1.4	4.5	2.9	.1							10.0	9.1
WSW	.6	1.3	.5	.2		.3						3.0	7.4
W	1.0	2.4	.8	.6								4.7	5.9
WNW	.4	1.4	.4	.2								2.5	5.7
NW	.3	.3	.1	.2								1.0	5.8
NNW	.3	.9	.1									1.3	4.3
VARBL													
CALM												16.1	
	21.4	29.6	23.8	8.3	.5	.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	.3	.2								2.3	5.5
NNE	1.0	1.5	1.7	.5								4.7	6.6
NE	1.7	2.3	1.8	.6								6.5	6.0
ENE	2.6	4.8	2.3	.4								10.1	5.2
E	2.4	1.3	1.3	.1								5.1	4.7
ESE	1.1	.9	.5	.1								2.6	4.7
SE	1.2	1.2	.8									3.1	4.6
SSE	.9	2.3	.2	.2								3.5	4.9
S	3.0	5.5	3.0	.3								11.8	5.5
SSW	1.1	4.7	6.2	3.2	.2							15.5	8.1
SW	.9	2.0	4.3	2.5	.5	.1	.1					10.4	9.3
WSW	.4	1.2	.6	1.2	.2							3.7	8.9
W	1.1	1.2	1.2	.9								4.3	7.2
WNW	.6	1.1	.4									2.2	4.8
NW	.1	.2	.1									.4	5.0
NNW	.2	.3	.3									.9	5.8
VARBL													
CALM												13.0	
	16.8	31.5	25.2	10.3	1.0	.1	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

78-79

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.9	.3	.3								2.7	5.4
NNE	1.1	1.3	1.7	1.1								5.2	7.2
NE	.3	2.5	4.0	.5	.2							7.5	7.7
ENE	.6	2.2	3.5	.6	.1							7.1	7.4
E	1.5	2.7	1.6	.3								6.1	5.7
ESE	.5	.4	1.2	.1								2.3	6.8
SE	.6	1.5	.9	.2								3.2	6.1
SSE	.8	2.2	2.0	.5								5.5	6.5
S	3.8	4.4	4.4	1.1								13.7	5.9
SSW	1.2	4.8	5.1	3.4	.2	.3						15.1	8.4
SW	1.5	2.2	4.8	3.9	1.4	.2	.3					14.3	10.5
WSW	.5	1.3	2.3	1.1	.2	.1						5.5	9.1
W	.5	.9	1.8	1.6	.4	.1						5.4	9.9
WNW	.2	.3	.9	.2								1.6	7.3
NW	.3	.1	.1	.2								.8	6.3
NNW	.1	.2	.4	.9								1.6	9.9
VARBL													
CALM												2.6	
	14.8	27.7	35.1	16.1	2.6	.8	.3					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

73-79
YEARS

MAR
MONTH

1200-1400
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.4	.4	.3								2.4	4.8
NNE	.8	1.0	1.0	.5	.2	.1						3.5	6.4
NE	.8	1.9	2.6	.1								5.4	6.3
ENE	.8	2.3	1.7	.2	.1							5.1	6.5
E	.8	1.1	1.0	.1								2.9	5.9
ESE	.1	.5	.4	.1								1.2	6.7
SE	.5	.9	1.3	.2								2.9	6.8
SSE	.5	1.9	2.0	.5								5.2	7.1
S	1.5	3.5	4.4	.5								19.8	6.5
SSW	1.1	3.4	4.5	3.3	.2							12.5	8.4
SW	1.5	2.8	6.6	4.5	1.1	.9	.1					17.6	10.4
WSW	.9	1.8	3.4	3.9	.6			.1				16.8	10.1
W	.8	2.4	2.4	3.4	.2	.2						9.4	9.5
WNW	.8	.6	.8	.5								2.7	6.8
NW	.6	.4	.5	.2								1.8	5.9
NNW	.2	.1	.8	.3								1.6	7.3
VARBL													
CALM												5.1	
	13.0	25.2	34.0	18.9	2.5	1.2	.1	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2-114 FAIRCHILD AFB WA 70-79 MAR
STATION MONTH
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.6	.5									1.6	5.4
NNE	1.5	.9	1.2	.4	.1							4.1	6.2
NE	.9	1.7	1.5	.9	.1							5.1	7.2
ENE	.6	.9	1.9	.3								3.8	7.0
E	.5	.9	.6	.1								2.3	5.9
ESE	.2	.4	.6									1.3	6.2
SE	.8	1.4	.6	.1								2.9	5.2
SSE	1.7	1.3	1.2	.2								3.7	5.9
S	1.5	3.8	4.3	.8	.2							10.5	6.9
SSW	1.0	2.5	3.9	1.5								8.8	7.5
SW	1.1	3.0	6.6	3.2	1.4	.2	.2					15.7	9.9
WSW	.8	3.0	6.1	4.5	.1	.3						14.8	9.3
W	1.4	3.1	3.4	3.4	.3							11.7	8.6
WNW	.8	1.4	1.2	.5								3.9	6.6
NW	.8	.5	.6	.2								2.2	6.2
NNW	.5	.9	.4	.1								1.9	5.4
VARB.													
CALM												5.8	
	13.8	26.2	34.8	16.3	2.3	.5	.2					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

MAR
MONTH
1800-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.4	.2	.1								1.9	4.1
NNE	1.2	3.8	.5									5.5	4.6
NE	.5	1.4	.4	.2								2.6	5.6
ENE	.6	1.5	.8	.4								3.3	6.5
E	.9	1.1	.6	.2								2.8	5.7
ESE	.5	1.4	.2									2.2	4.4
SE	1.0	.6	.1									1.7	3.3
SSE	1.3	.6	.3	.3								2.6	5.1
S	3.5	4.0	1.5	.6								9.7	5.1
SSW	2.6	4.3	2.9	1.2	.1							11.1	6.2
SW	1.9	3.8	4.6	2.6	.8	.3						14.0	8.5
WSW	1.8	3.2	1.5	1.7	.1	.1						8.5	7.0
W	1.8	3.1	2.6	.6	.1							8.3	6.0
WNW	.8	1.3	.4	.2								2.7	5.5
NW	.5	.4	.3									1.3	4.6
NNW	.9	1.0										1.8	3.8
VARBL												20.1	
CALM													
	21.1	31.9	17.1	8.3	1.1	.4						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114 FAIRCHILD AFB W. 70-79 MAR
STATION STAT. NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.0	.5									2.8	4.2
NNE	.4	.9	.4									1.7	5.3
NE	1.3	1.8	1.2	.1								4.4	5.1
ENE	1.1	1.8	.9	.1								3.9	5.2
E	1.5	1.4	.1	.1								3.1	4.0
ESE	.4	.5	.1									1.1	4.4
SE	1.3	.8	.3									2.4	4.0
SSE	1.8	1.5	.2	.1								3.7	4.2
S	3.2	3.9	2.2	.1								9.4	4.7
SSW	1.6	4.7	3.9	1.6	.3	.2						12.4	7.5
SW	2.2	2.7	3.1	3.2	.4	.5						12.2	9.1
WSW	1.3	2.6	2.4	1.0	.1							7.3	7.0
W	2.0	2.3	1.2	.5								6.1	5.3
WNW	.6	1.2	.2									2.0	4.4
NW	.3	1.1	.2									1.6	4.9
NNW	1.0	1.1	.4									2.5	4.3
VARBL													
CALM												23.5	
	21.4	29.1	17.3	7.0	.9	.8						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

70-79

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.8	.4	.1								2.3	4.9
NNE	1.2	1.5	1.2	.4	.1	.0						4.4	6.2
NE	1.1	1.9	1.7	.4	.1							5.1	6.2
ENE	1.5	2.5	1.6	.3	.0							5.9	5.7
E	1.4	1.4	.8	.1								3.7	5.0
ESE	.6	.7	.4	.0								1.8	5.0
SE	.9	1.0	.6	.1								2.5	4.9
SSE	1.1	1.5	.9	.2								3.7	5.6
S	2.9	4.4	3.6	.5	.0							11.4	5.7
SSW	1.5	4.1	4.8	2.5	.2	.1						13.2	7.8
SW	1.4	2.6	4.8	3.2	.7	.3	.1					13.1	9.5
WSW	1.0	2.0	2.2	1.8	.2	.1		.0				7.3	8.5
W	1.2	2.2	1.7	1.5	.1	.0						6.8	7.5
WNW	.6	1.2	.6	.3								2.7	5.8
NW	.4	.5	.3	.1								1.3	5.5
NNW	.5	.7	.3	.2								1.6	5.6
VARBL													
CALM												13.3	
	18.2	28.8	26.0	11.6	1.5	.6	.1	.0				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

7440

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

APR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.6	.1	.1								1.6	4.4
NNE	1.7	2.3	.6	1.0	.1							5.7	6.3
NE	1.6	2.6	1.2	.1	.1							5.6	5.4
ENE	1.7	.9	1.9	.3								6.8	5.6
E	1.6	1.4	.2	.1								3.3	4.1
ESE	.6	.7										1.2	3.5
SE	1.0	.3	.1									1.4	3.2
SSE	1.2	.4	.1									1.8	3.2
S	1.9	4.8	3.9	.4								11.0	6.0
SSW	1.3	4.9	8.9	3.0	.1	.1						18.3	8.0
SW	1.4	2.8	2.6	2.1	.2	.1						9.2	8.0
WSW	1.1	1.9	1.0	.4	.2							4.7	6.6
W	1.6	1.9	1.3	.3	.2							5.3	5.9
WNW	.4	.9	.7	.1								2.1	5.4
NW	.7	.7	.4									1.8	4.7
NNW	1.0	.3	.4									1.8	4.0
VARBL													
CALM												18.4	
	19.4	29.3	23.4	8.1	1.0	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

900

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

APR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	.2	.1								2.3	5.0
NNE	1.3	1.8		1.3								4.4	6.5
NE	1.9	3.7	.7									6.2	4.2
ENE	3.6	4.3	2.4									10.3	4.8
E	1.7	1.8	.7									4.1	4.2
ESE	.9	.4	.1									1.4	3.4
SE	.4	.3										.8	3.6
SSE	.8	1.0	.1									1.9	3.6
S	1.6	5.7	3.6	.3								11.1	5.8
SSW	1.7	5.7	10.7	3.0	.1							21.1	7.9
SW	.9	2.3	3.0	2.6	.6							9.3	9.1
WSW	.3	1.2	.4	.3		.2						2.6	8.0
W	.3	1.2	.4									2.0	5.4
WNW	.4	1.0	.7									2.1	5.2
NW	.1	.2										.3	3.3
NNW	.2	.4	.3									1.0	4.9
VARBL													
CALM												18.8	
	16.8	32.5	23.4	7.7	.7	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114 FAIRCHILD AFB WA 70-79 APR
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0600-0800
HOURS (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.4	.6									1.8	4.6
NNE	.1	1.1	1.0	.8	.1							3.1	8.4
NE	1.7	2.7	3.2	1.0	.2							8.8	7.2
ENE	1.8	4.1	4.2	.4	.1							10.7	6.4
E	1.9	3.2	1.3									6.5	4.7
ESE	.6	.3	.4									1.3	4.5
SE	.8	.9	.4									2.1	5.0
SSE	1.3	1.1	1.1	.1								3.6	4.9
S	2.4	5.5	4.7	.2								12.8	5.6
SSW	.7	4.3	10.0	5.3	.2	.1						20.7	9.0
SW	.6	1.1	5.1	3.7	.6	.1						11.1	10.2
WSW	.1	.8	.2	1.1	.1							2.3	10.4
W	.6	1.3	.2		.1							2.2	5.5
WNW	.1	.7										.8	4.9
NW	.3	.3										.7	4.0
NNW	.6	.1	.1	.1								.9	4.3
VARBL													
CALM												10.7	
	14.2	28.0	32.6	12.8	1.4	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 899

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

77-79
YEARS

APR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	1.6	.3								2.6	7.7
NNE	1.2	1.0	.6	.4	.2							3.2	6.9
NE	.7	2.1	2.1	2.1	.6							7.6	8.9
ENE	.4	2.0	4.1	1.4	.1							8.1	8.3
E	1.7	3.2	2.3	.4								7.7	6.0
ESE	.9	.6	.4									1.9	4.5
SE	.7	2.0	.3	.2								3.2	5.4
SSE	.2	1.7	1.4	.3								3.7	7.0
S	1.8	2.8	3.2	1.1	.2							9.1	7.1
SSW	.7	3.8	8.4	3.4	.2							16.6	8.7
SW	.6	2.6	7.7	5.8	1.8	.1						18.4	10.6
WSW	.2	1.0	2.9	2.2	.8							7.1	10.5
W	.3	.6	.6	.6	.7							2.7	10.6
WNW	.3	.2	.2									.8	4.6
NW	.1	.7	.3									1.1	5.4
NNW	.2	.9	.1									1.2	4.7
VARBL													
CALM												5.1	
	10.2	25.2	36.3	18.4	4.6	.1						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

70-79

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.4	.4	.4								2.9	6.2
NNE	.8	1.0	.4	.8	.2							3.2	7.7
NE	.3	1.4	2.4	.3	.3							4.9	8.2
ENE	1.3	1.3	1.9	.9	.7	.1						6.2	8.3
E	1.2	1.9	1.2	.3	.1							4.8	5.9
ESE	.7	1.3	.9	.1								3.0	5.6
SE	1.1	.6	.3	.1								2.2	4.3
SSE	.5	1.1	.8	.4								2.9	6.8
S	1.6	2.4	3.4	1.6	.2							9.2	7.7
SSW	1.6	3.2	4.7	3.1	.3							12.9	8.4
SW	.8	3.6	8.4	6.8	1.4	.1						21.1	10.2
WSW	.9	1.3	4.8	3.7	1.2	.3						12.2	10.9
W	1.1	2.1	1.8	1.2	.9							7.1	8.6
WNW	.2	.6	.6	.2								1.6	6.5
NW	.3	.9	.8	.1								2.1	6.3
NNW		.6	.2									.8	5.9
VARBL													
CALM												3.0	
	13.0	24.8	33.1	20.1	5.4	.6						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

APR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.9	.9	.6								2.9	7.1
NNE	.4	.7	.7	.7		.2						2.7	8.8
NE	.4	1.6	1.9	.8	.1	.3						5.1	8.7
ENE	.3	1.2	1.3	.8								3.7	7.8
E	.7	2.0	.9	.4	.2	.1						4.3	7.4
ESE	.4	.6	.8									1.8	5.4
SE	.6	.6	.1									1.2	3.6
SSE	.3	.7	1.3	.3	.1							2.8	7.9
S	2.1	2.4	2.2	1.0	.1							7.9	6.4
SSW	2.2	4.8	6.1	2.4	.1							15.7	7.5
SW	.6	2.8	6.3	5.0	.9	.3						15.9	10.1
WSW	.7	1.8	3.0	4.4	.9	.4						11.2	11.0
W	.8	3.3	4.0	3.3	.8	.2						12.4	9.7
WNW	.8	1.1	.7	.3								2.9	6.3
NW	.1	.7	.3	.2								1.3	6.5
NNW	.4	.6	.8	.4								2.2	7.4
VARBL													
CALM												6.0	
	11.4	25.6	31.3	20.8	3.2	1.7						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

900

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24.14
STATION

FAIRCHILD AFB WA

75-79

APR

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	.4	.3								2.2	6.0
NNE	.6	2.9	1.2	.6	.4							5.7	7.3
NE	.4	1.9	1.7	.3	.1							4.4	6.8
ENE	.7	2.1	1.9	.1	.1							4.9	6.3
E	1.0	.6	.9	.3	.1							2.9	6.5
ESE	.7	.7	.1									1.4	3.6
SE	1.2	.4										1.7	2.7
SSE	1.8	.7	.2									2.7	3.4
S	4.0	3.7	1.2									8.9	4.1
SSW	2.7	4.2	3.7	1.3		.1						12.0	6.3
SW	2.1	3.6	4.6	3.1	.6							13.9	8.0
WSW	1.8	2.7	1.7	2.1	.3							8.6	7.6
W	2.0	3.7	2.7	1.9	.1	.2						10.6	7.4
WNW	.4	.9	.8	.1								2.2	5.9
NW	.3	.7	.3									1.3	5.2
NNW	.7	.3	.1									1.1	3.6
VARBL													
CALM												15.6	
	20.8	29.9	21.4	10.2	1.8	.3						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

APR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.7	.2									1.7	4.5
NNE	1.7	2.6	1.0	.6	.1							5.9	6.0
NE	1.3	2.8	1.0	.6								5.7	5.5
ENE	.9	1.4	2.0	.2								4.6	6.2
E	1.0	.4	.4									1.9	4.4
ESE	.7	.1	.1									.9	3.6
SE	1.1	.3										1.4	2.9
SSE	1.3	.7										2.0	3.2
S	3.7	4.6	2.4	.3								11.0	5.1
SSW	1.8	4.7	3.1	.7								10.2	6.1
SW	2.8	2.7	3.3	3.3	.2	.1						12.4	7.8
WSW	1.8	2.6	2.2	1.2								7.8	6.7
W	2.4	2.9	2.2	.8								8.3	5.8
WNW	.4	1.3	.2									2.0	4.7
NW	.7	.7	.2									1.6	4.3
NNW	.7	.3	.1									1.1	3.8
VARBL													
CALM												21.6	
	23.0	28.7	18.7	7.7	.3	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

70-79

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.8	.6	.2								2.2	5.9
NNE	.9	1.7	.7	.8	.2	.0						4.2	7.0
NE	1.0	2.3	1.8	.7	.2	.0						6.0	6.9
ENE	1.3	2.4	2.5	.5	.1	.0						6.9	6.6
E	1.3	1.8	1.0	.2	.1	.0						4.4	5.5
ESE	.7	.6	.4	.0								1.6	4.5
SE	.9	.7	.2	.0								1.8	4.1
SSE	.9	.9	.6	.2	.0							2.7	5.3
S	2.4	4.0	3.1	.6	.1							10.1	5.9
SSW	1.6	4.4	6.9	2.8	.1	.0						15.9	7.9
SW	1.2	2.7	5.1	4.0	.8	.1						13.9	9.4
WSW	.9	1.7	2.0	1.9	.4	.1						7.1	9.3
W	1.1	2.1	1.7	1.0	.3	.1						6.3	7.7
WNW	.4	.8	.5	.1								1.8	5.6
NW	.3	.6	.3	.0								1.3	5.3
NNW	.5	.4	.3	.1								1.3	5.0
VARBL													
CALM												12.4	
	16.1	28.0	27.5	13.2	2.3	.4						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0-114

FAIRCHILD AFB WA

70-79

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0200

CLASS

NOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.8	1.0									3.4	5.3
NNE	.4	1.1	1.0	.2								2.7	6.0
NE	1.7	1.2	.5	.4								3.9	5.2
ENE	1.3	2.5	.5	.1								4.4	4.6
E	1.1	.6	.2									1.9	3.4
ESE	.8	.9										1.6	3.3
SE	1.0	.6	.1	.2								1.9	4.4
SSE	2.0	1.5	.1									3.7	3.6
S	4.3	6.3	2.9	.6								14.2	5.1
SSW	2.9	4.8	3.7	2.4	.1							13.9	6.6
SW	1.6	2.4	4.5	1.0								9.5	7.0
WSW	1.5	1.9	1.9	.8	.1							6.2	6.8
W	2.3	3.7	1.2	.6	.1							7.8	5.5
WNW	.4	1.0	.2									1.6	4.7
NW	.2	.6	.1									1.0	4.4
NNW	.2	.2	.1									.5	4.2
VARBL													
CALM												21.7	
	22.4	31.2	18.1	6.3	.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

3-114

FAIRCHILD AFB WA

72-79

MAY

STATION

STATION NAME

YEARS

MONTHS

ALL WEATHER

0300-0500

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	.4									1.5	4.6
NNE	.5	1.7	1.3	.1								3.8	5.9
NE	2.5	1.8	.3	.5								5.2	4.7
ENE	2.9	2.4	2.0									7.3	4.6
E	2.0	1.8	.3									4.2	3.7
ESE	.9	.4	.2									1.5	3.7
SE	.8	.4	.1									1.3	3.6
SSE	2.3	2.2	.4	.1								4.9	4.1
S	3.3	6.6	4.2	1.0								15.1	5.7
SSW	1.3	4.8	8.2	2.8								17.1	7.7
SW	1.0	1.7	5.5	1.3								9.5	7.9
WSW	.3	.8	1.4	.8								3.2	8.5
W	.6	1.4	.3	.1								2.5	5.0
WNW	.4	.4	.2									1.1	4.6
NW		.1										.1	4.0
NNW	.4	.1										.5	2.6
VARS													
CALC.												21.3	
	19.9	27.2	24.9	6.7								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.2	.1								.8	6.6
NNE	.6	1.1	1.4	.8								3.9	7.3
NE	.9	1.8	2.2	.6								5.5	6.7
ENE	1.7	3.8	3.1	.5	.1							9.2	6.2
E	1.8	4.6	2.0		.1							8.6	5.3
ESE	1.2	.9	.3									2.4	4.0
SE	1.2	1.1	.2									2.6	3.8
SSE	1.4	2.7	1.3									5.3	5.2
S	2.4	5.8	6.0	1.3								15.5	6.4
SSW	1.4	5.7	13.1	4.1	.1							24.4	8.1
SW	.4	1.7	4.1	4.3	.2							10.8	9.6
WSW	.4	.2	1.8	1.1	.3							3.9	10.4
W	.1	.3	.6	.2	.1							1.4	8.5
WNW			.1									.1	7.0
NW			.1									.1	9.0
NNW	.2		.1									.3	3.3
VARBL													
CALM												5.4	
	13.0	30.0	36.8	13.0	1.0							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4	.9									1.7	5.9
NNE	.5	1.1	.9	.9								3.3	7.3
NE	.6	1.5	1.9	.4								4.5	7.0
ENE	.5	1.9	2.4	.9	.1							5.8	7.5
E	.9	1.7	1.7	1.1	.2							5.6	7.7
ESE	.5	1.9	.3									2.8	4.8
SE	1.1	1.4	.5									3.0	4.4
SSE	1.2	1.9	.8									3.9	4.9
S	1.7	4.6	5.6	.6								12.6	6.4
SSW	1.1	4.1	8.8	4.7	.1							18.8	8.7
SW	.8	2.6	7.6	6.9	.5							18.4	9.8
WSW	.4	.6	3.9	3.9	.3							9.1	10.4
W	.9	.6	1.2	.9								3.6	7.4
WNW	.2	.6	.2	.1								1.2	6.0
NW	.1	.4	.1	.1								.8	6.7
NNW	.2	.3	.2	.2								1.0	7.0
VARBL													
CALM												3.9	
	11.2	25.9	37.0	20.7	1.3							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

920

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.9	.4									1.8	4.7
NNE	.5	1.1	1.0	.5	.3							3.4	8.2
NE	1.5	1.4	1.3	.3								4.0	6.2
ENE	.5	1.4	1.2	.3	.1							3.5	6.7
E	1.5	1.5	.9	.5	.1							4.5	6.0
ESE	.6	.4	.4	.3								1.8	6.2
SE	1.3	.9	.4									2.6	4.1
SSE	1.1	.9	.9	.4								3.2	6.1
S	1.3	3.0	3.3	.6	.3							8.6	7.0
SSW	1.3	4.1	6.7	4.5	.1							16.2	8.5
SW	.9	3.1	8.6	7.8	.8							21.2	9.8
WSW	.4	2.2	5.1	3.8	.8	.4						12.6	10.3
W	1.0	2.4	2.3	1.8	.1							7.5	8.0
WNW	.3	1.0	.5	.3								2.2	7.1
NW	.3	1.2	.5	.1								2.2	5.6
NNW	.4	.3	.4									1.2	5.4
VARBL													
CALM												3.4	
	13.0	25.6	33.4	21.5	2.6	.4						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

77-79
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.1	.8	.2								3.2	5.4
NNE	.8	1.7	.9	.3	.1							3.8	6.3
NE	.4	1.5	1.4	.4	.1							3.9	7.1
ENE	.1	1.5	1.1	.4								3.1	7.2
E	1.2	1.5	1.1	.4								4.2	6.2
ESE	.5	.8	.4									1.7	4.6
SE	1.5	.6	.3									2.5	3.8
SSE	.4	1.3	.6	.2								2.6	5.9
S	1.3	2.9	2.2	.9								7.2	6.4
SSW	.9	3.3	5.4	2.7								12.3	8.2
SW	1.1	3.9	7.0	5.6	.6							18.2	9.2
WSW	.8	2.2	5.8	4.5	.9	.2						14.3	10.2
W	.8	1.9	3.6	2.4	.9	.1						9.6	9.5
WNW	.5	.8	1.6	.4	.1							3.4	7.5
NW	1.0	1.3	.5	.3								3.1	5.3
NNW	.1	.6	.3	.1								1.2	6.8
VARBL													
CALM												5.6	
	12.5	26.9	33.0	19.0	2.7	.3						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 928

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

70-79

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	.6	.1								3.3	4.8
NNE	.5	2.2	1.5		.1							4.3	6.0
NE	.5	1.1	1.2	.2								3.0	6.2
ENE	.5	1.4	1.4	.8								4.1	7.3
E	1.3	1.1	.6	.2								3.2	5.0
ESE	.9	.8	.2									1.8	3.8
SE	.5	1.0	.3									1.8	4.8
SSE	1.6	.6	.4	.1								2.8	4.2
S	3.5	4.7	1.5	.8								10.5	5.2
SSW	3.0	4.3	3.5	1.1	.1							12.0	6.1
SW	3.2	5.5	4.6	1.0	.4							14.8	6.3
WSW	2.4	4.2	4.4	1.5		.2						12.7	7.0
W	1.5	2.6	2.5	2.0	.2							8.8	7.7
WNW	.3	1.7	.9	.4								3.3	6.7
NW	.5	.3	.3	.1								1.3	5.5
NNW	.2	1.2	.3									1.7	5.1
VARBL													
CALM												10.4	
	21.5	34.4	24.4	8.3	.9	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

927

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

MAY
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.4	.2									2.3	4.6
NNE	.5	2.3	1.0									3.8	5.5
NE	1.4	.6	.4	.2								2.7	4.6
ENE	.9	1.6	1.1	.5	.1							4.2	6.8
E	.6	.8	.2									1.6	4.1
ESE	.6	.4	.2									1.3	3.8
SE	.8	1.1	.1	.2								2.2	4.9
SSE	1.3	1.2	.3									2.8	4.0
S	3.7	5.1	1.1	.6								10.5	4.6
SSW	4.1	6.3	2.6	1.3		.1						14.4	5.6
SW	3.1	4.1	1.9	1.2	.2							10.6	5.9
WSW	2.4	3.2	2.2	.9								8.6	5.8
W	2.1	3.9	2.2	.9	.1							9.1	6.1
WNW	.5	1.5	.4	.1								2.6	5.2
NW		.6										.6	4.7
NNW		1.0	.1									1.1	5.2
VARBL													
CALM												21.7	
	22.7	35.1	14.0	5.9	.4	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

926

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

73-79

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.0	.6	.1								2.3	5.1
NNE	.6	1.5	1.1	.3	.1							3.6	6.6
NE	1.1	1.4	1.2	.4	.0							4.1	6.0
ENE	1.1	2.1	1.6	.4	.1							5.2	6.2
E	1.3	1.7	.9	.3	.1							4.2	5.5
ESE	.8	.8	.3	.0								1.9	4.3
SE	1.0	.9	.3	.1								2.2	4.2
SSE	1.4	1.5	.6	.1								3.6	4.7
S	2.7	4.9	3.4	.8	.0							11.8	5.8
SSW	2.0	4.7	6.4	2.9	.1	.0						16.1	7.6
SW	1.5	3.1	5.5	3.6	.3							14.1	8.5
WSW	1.1	1.9	3.3	2.1	.3	.1						8.8	8.8
W	1.1	2.1	1.7	1.1	.2	.0						6.3	7.3
WNW	.3	.9	.5	.2	.0							1.9	6.3
NW	.3	.6	.2	.1								1.1	5.4
NNW	.2	.5	.2	.0								.9	5.4
VARBL													
CALM												11.7	
	17.1	29.5	27.7	12.7	1.1	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

7430

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0200

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.8	.3									1.8	4.5
NNE	1.1	1.3	.8	.2								3.4	5.4
NE	1.7	1.7	.4	.2								4.0	4.5
ENE	.9	2.0	.3	.1								3.3	4.7
E	.7	.8	.1									1.6	3.9
ESE	.6	.7										1.2	3.5
SE	.4	.3	.2									1.0	4.1
SSE	1.0	1.4	.8	.1								3.3	4.8
S	3.2	3.7	2.2	1.3								10.4	5.9
SSW	2.2	6.7	4.7	1.7								15.2	6.5
SW	1.7	5.2	2.9	1.0	.1							10.9	6.0
WSW	2.3	2.9	.7	.7								6.6	5.0
W	2.0	2.8	1.0	.2								6.0	4.9
WNW	.6	1.0	.2									1.8	4.4
NW	.3	.3	.1									.8	4.7
NNW	.2	.4		.2								.9	6.3
VARBL													
CALM												27.8	
	19.6	32.0	14.8	5.8	.1							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.9	.1	.2								1.8	5.6
NNE	1.3	.8	.6	.1								2.8	4.6
NE	1.9	2.6	.7									5.1	4.3
ENE	2.4	2.8	.9									6.1	4.3
E	1.4	.6	.2									2.2	3.4
ESE	.7	.4										1.1	2.9
SE	.8	.4										1.2	2.8
SSE	1.7	1.2	.6	.2								3.7	4.5
S	3.6	4.8	4.3	.9								13.6	5.7
SSW	2.1	4.9	8.7	2.0								17.7	7.2
SW	1.3	2.6	3.7	1.6								9.1	7.2
WSW	.9	1.3	1.1	.1	.1							3.6	6.3
W	.6	1.6	.8									2.9	5.0
WNW		.3	.1									.4	6.3
NW	.4	.2	.1									.8	4.1
NNW	.3	.6	.1	.1								1.1	5.2
VARBL													
CALM												26.9	
	20.0	25.9	21.9	5.2	.1							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114 FAIRCHILD AFB WA 69-78 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (L.S.T.)
0600-0800

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	.7	.1								1.7	6.3
NNE	.3	1.1	.9	.6								2.9	7.3
NE	1.6	3.1	2.2	.2								7.1	5.6
ENE	1.6	3.9	4.3	.1								9.6	6.1
E	1.9	4.1	.9									6.9	4.3
ESE	1.2	1.6	.2									3.0	3.9
SE	1.2	.8	.3									2.3	3.7
SSE	.7	2.6	1.0	.1								4.3	5.2
S	2.6	6.6	6.9	1.3								17.3	6.6
SSW	1.0	7.9	8.6	3.0	.1							20.6	7.6
SW	.2	2.0	7.4	1.8	.4							11.9	9.0
WSW	.2	.6	.8	.2								1.8	7.4
W	.4	.6	.8	.1								1.9	6.3
WNW	.1	.8		.2								1.1	6.4
NW	.2	.7		.1								1.7	5.2
NNW		.2	.1									.3	6.0
VARBL													
CALM												6.3	
	13.6	36.9	34.8	7.9	.6							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114 FAIRCHILD AFB WA 69-78 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
NOVS (L.S.V.)
0900-1100

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.7	.2	.1								1.2	5.6
NNE	.7	1.4	1.1	.6	.2							3.6	7.8
NE	1.8	2.7	2.1	1.3								6.9	7.0
ENE	.5	1.9	1.8	.3								4.8	6.3
E	2.1	2.8	1.8		.1							6.8	5.0
ESE	1.1	1.4	.1									2.7	3.7
SE	.3	.9	.3	.1								2.1	4.8
SSE	.3	1.7	1.0									3.0	5.4
S	2.3	5.2	4.9	1.7								14.1	6.6
SSW	.9	5.0	8.4	2.6	.1							17.0	8.0
SW	.7	3.9	8.8	4.9	.3							18.6	9.1
WSW	.6	1.2	3.7	2.4								7.9	9.0
W	.9	1.3	1.0	.5	.1							3.7	6.4
WNW	.1	.7	.6	.1								1.4	6.6
NW	.2	.4	.4									1.1	5.5
NNW	.2	.1	.1									.4	4.8
VARBL													
CALM												4.8	
	13.7	29.9	36.3	14.4	.9							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114 STATION FAIRCHILD AFB WA 69-76 YEARS JUN MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.4	.4									1.4	4.6
NNE	.6	.8	1.1	1.1	.1							3.7	8.7
NE	1.4	1.8	1.2	1.1	.1							5.2	7.4
ENE	.6	1.7	.6	.3								3.1	5.9
E	1.9	3.0	.7									5.6	4.3
ESE	.3	.4	.2									1.0	4.6
SE	.9	1.1	.3									2.2	4.1
SSE	.8	1.2	1.0	.2								3.2	5.6
S	2.3	3.6	3.3	1.4								10.7	6.5
SSW	.8	3.9	5.6	2.2	.1							12.6	8.0
SW	1.4	4.6	9.7	6.2	.3							22.2	9.0
WSW	1.0	2.3	5.2	3.0	.1							11.7	8.8
W	.9	2.2	4.2	2.1	.1							9.6	8.1
WNW	.3	.8	.4		.1							1.7	6.5
NW	.6		.3									.9	4.5
NNW	.3	.7	.3									1.3	5.0
VARBL													
CALM												4.0	
	14.2	28.3	34.7	17.8	1.0							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.0	.9	.1								3.1	4.9
NNE	.2	.9	1.3	.9	.2							3.6	9.6
NE	.3	1.2	1.6	.3	.2							3.7	7.6
ENE	.8	1.3	.3	.2								2.7	5.1
E	2.0	1.0	.8	.1								3.9	4.4
ESE	.6	.7										1.2	3.7
SE	.9	.8	.3									2.0	4.1
SSE	.4	1.3	.7									2.4	5.3
S	1.8	3.8	3.3	1.2								10.1	6.6
SSW	1.0	3.6	5.0	1.6								11.1	7.5
SW	1.7	3.6	7.2	5.2	.3							18.0	9.0
WSW	1.3	3.2	5.8	4.3		.1						14.8	8.8
W	1.2	3.0	4.1	2.4	.1	.1						11.0	8.2
WNW	.7	1.6	.8	.4								3.4	6.6
NW	.9	.7	.2	.1								1.9	4.5
NNW	.4	.3	.1	.1								1.0	4.9
VARBL													
CALM												6.1	
	15.3	27.9	32.4	17.1	.9	.2						100.6	7.0

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114

FAIRCHILD AFB WA

69-73

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.R.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.6	.8									2.9	5.1
NNE	1.8	1.6	.8	.3	.1							4.6	5.1
NE	.8	1.6	1.0	.7	.2							4.2	7.1
ENE	.8	1.6	.8	.3								3.4	5.7
E	1.6	1.1	.1									2.8	3.2
ESE	1.3	.6	.1									2.0	3.2
SE	.8	.8	.2	.1								1.9	4.7
SSE	1.2	.7	.7	.1								2.7	4.8
S	2.3	2.2	2.3	.3								7.2	5.5
SSW	1.7	4.7	3.6	1.3								11.2	6.7
SW	2.4	4.2	6.0	1.9								14.6	6.9
WSW	2.2	4.8	4.2	1.7	.2							13.1	6.8
W	1.6	3.6	2.1	1.3	.6							9.1	7.5
WNW	.9	1.4	.6	.3	.1							3.3	6.1
NW	.2	1.1	.6	.4								2.3	6.9
NNW	.1	.3	.2		.2							.9	8.8
VARB													
CALM												13.8	
	20.2	31.7	24.0	8.9	1.4							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

900

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

JUN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3	.9	.1								4.2	4.5
NNE	1.7	.9	.7	.7								3.9	5.8
NE	1.2	1.1	.6	.2	.1							3.2	5.7
ENE	1.1	.9		.2								2.2	4.2
E	1.9	1.0	.1									3.0	3.3
ESE	.2	.2										.4	3.8
SE	1.0	.2	.2									1.4	3.7
SSE	1.6	.4	.6	.3								2.9	5.1
S	2.9	4.0	1.3	1.3								9.6	5.7
SSW	1.9	4.2	2.4	.6	.2							9.3	6.1
SW	3.2	4.1	2.6	.8								10.7	5.5
WSW	2.2	5.0	2.6	.1								9.9	5.2
W	2.7	4.2	2.7	.4								10.0	5.4
WNW	1.0	.9	.7	.1								2.7	5.0
NW	.4	.3										.8	3.3
NNW	.3	.8	.1	.2								1.4	5.6
VARBL													
CALM												24.3	
	25.2	29.7	15.3	5.1	.3							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.9	.5	.1								2.3	5.6
NNE	1.0	1.0	.9	.6	.1							3.5	6.8
NE	1.3	1.8	1.2	.5	.1							4.9	6.2
ENE	1.1	2.0	1.1	.2								4.4	5.4
E	1.7	1.8	.6	.0	.0							4.1	4.2
ESE	.7	.7	.1									1.6	3.6
SE	.8	.7	.2	.0								1.8	4.1
SSE	1.0	1.3	.8	.1								3.2	5.1
S	2.6	4.2	3.6	1.2								11.6	6.2
SSW	1.4	5.1	5.9	1.9	.1							14.3	7.3
SW	1.6	3.8	6.0	2.9	.2							14.5	8.0
WSW	1.3	2.7	3.0	1.6	.1	.0						8.7	7.4
W	1.3	2.4	2.1	.9	.1	.0						6.8	6.8
WNW	.5	.9	.4	.2	.0							2.0	6.0
NW	.4	.5	.2	.1								1.2	5.2
NNW	.2	.4	.1	.1	.0							.9	5.8
VARBL													
CALM												14.2	
	17.7	30.3	26.8	10.3	.7	.0						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

7200

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA

STATION NAME

69-78

YEARS

JUL

MONTH

0000-0200

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.5	.4	.1								2.6	5.0
NNE	2.3	1.4	1.0	.6								5.3	5.2
NE	.9	1.5	.1	.3								2.8	4.8
ENE	2.2	1.8	.5									4.5	3.9
E	1.9	.4	.1									2.5	3.0
ESE	.4	.4										.9	4.0
SE	.6	.2	.2									1.1	4.0
SSE	1.9	1.0	.3									3.2	3.6
S	3.2	2.8	2.2	.2								8.4	4.9
SSW	1.5	4.7	2.7	.9								9.8	6.1
SW	2.3	2.7	2.0	.3								7.3	5.4
WSW	1.6	2.8	1.0	.3								5.7	5.1
W	2.8	2.3	.2									5.3	3.5
WNW	.5	.1		.1								.8	4.0
NW	.3	.4	.2									1.0	4.6
NNW	.2	.5	.2	.1								1.1	5.7
VARBL													
CALM												38.0	
	23.2	24.6	11.2	3.0								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.1	.6									2.5	5.0
NNE	1.8	2.0	.8	.4								5.1	5.1
NE	2.6	2.2	.5									5.3	3.7
ENE	3.5	3.7	.2									7.4	3.7
E	3.3	1.4	.1									4.8	3.0
ESE	1.2											1.2	1.7
SE	1.6	.3	.3									2.3	3.5
SSE	3.2	1.1	.4									4.7	3.3
S	4.6	4.4	3.1	1.0								13.1	5.3
SSW	1.6	5.1	5.8	1.0								13.4	6.7
SW	1.7	2.6	2.0	.6								7.0	5.8
WSW	.2	.3	.4	.1								1.1	6.0
W	.5	.5										1.1	3.2
WNW	.4	.1										.5	2.6
NW	.1	.2	.2									.5	5.8
NNW	.3	.1	.1									.5	3.8
VARBL													
CALM												29.5	
	27.6	25.1	14.7	3.1								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	.8									1.4	6.2
NNE	.3	1.8	1.1	.5								3.3	6.9
NE	2.2	2.9	2.9	.9								8.8	6.2
ENE	2.7	6.0	3.7	.1								12.5	5.4
E	4.5	4.4	1.1									10.0	3.9
ESE	1.3	1.4	.2									2.9	3.9
SE	1.5	1.0	.1									2.6	3.5
SSE	1.2	2.6	.6									4.4	4.6
S	2.5	8.7	6.1	1.1								18.4	6.2
SSW	1.4	6.6	6.2	2.2								16.4	7.1
SW	.6	2.5	3.9	1.4								8.4	7.9
WSW	.4	.4	.5	.3								1.7	7.1
W	.5	.2	.1									.9	4.0
WNW													
NW	.1	.2	.2									.5	6.6
NNW	.2	.4	.1									.8	4.6
VARBL													
CALM												6.6	
	19.6	39.7	27.7	6.5								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

929

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.0	.9	.1								2.5	5.8
NNE	.4	1.1	1.1	.4								3.0	6.4
NE	2.1	2.6	2.7	.8	.1							8.2	6.3
ENE	1.1	2.0	2.9	.9								5.9	7.0
E	2.2	3.6	1.3	.2								7.2	5.0
ESE	1.0	.9	.2									2.0	3.9
SE	.4	1.1	.3									1.8	4.7
SSE	.4	1.2	.3	.2								2.2	5.4
S	2.4	5.9	5.6	1.1								15.0	6.3
SSW	1.2	6.4	7.2	3.0	.4							18.2	7.9
SW	.8	5.2	8.0	2.8	.2							16.9	8.1
WSW	.5	1.2	2.6	1.9								6.2	8.3
W	.4	.6	.8	.1								1.9	6.2
WNW	.6	.3										1.0	3.1
NW	.5	.1										.6	3.2
NNW	.1	.5	.3									1.0	5.8
VARBL													
CALM												5.4	
	14.6	33.6	34.1	11.5	.8							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

929

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

20114

FAIRCHILD AFB WA

69-78

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.5	1.0	.3	.1							3.2	6.1
NNE	.6	.9	1.3	.3	.1							3.2	6.5
NE	.6	1.6	.9	.4	.1							3.7	6.6
ENE	.6	1.1	1.1	.5								3.3	6.8
E	1.6	1.1	1.1	.1								3.9	4.7
ESE	.9	.4	.4									1.7	4.3
SE	.6	.2	.2									1.1	4.0
SSE	.6	1.6	.9	.1								3.2	5.6
S	2.5	5.4	4.1	1.5								13.4	6.3
SSW	1.3	3.9	6.8	2.7	.1							14.7	7.8
SW	.9	5.2	7.6	3.7	.1							17.4	8.4
WSW	.5	2.0	3.5	3.1	.3							9.6	9.2
W	1.3	2.8	2.6	.8	.1							7.5	6.6
WNW	.6	1.2	.8									2.6	5.3
NW	.6	.9	.5									2.0	5.0
NNW	.6	.6	.3	.1								1.7	5.1
VARBL													
CALM												7.6	
	15.4	29.4	33.0	13.7	1.0							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.1	1.4	.3								3.7	6.4
NNE	1.4	1.0	1.1	.8	.3	.1						4.6	7.8
NE	.8	1.1	.8	.3	.1							3.0	6.2
ENE	.4	1.0	1.2	.2								2.8	6.7
E	1.6	2.0	.6									4.3	4.2
ESE	.5	1.0	.1									1.6	3.9
SE	1.1	.8	.1									1.9	3.7
SSE	.6	1.2	.4	.1								2.4	5.0
S	1.0	3.8	4.0	.6	.1							9.5	6.6
SSW	1.5	4.4	5.9	1.2								13.0	7.0
SW	.9	4.6	7.3	3.9	.2							16.9	8.4
WSW	1.1	3.5	5.8	3.1	.1							13.7	8.3
W	1.0	2.7	2.9	1.1	.1							7.7	7.3
WNW	.5	.5	1.1	.2								2.6	6.4
NW	1.0	1.0	.4	.1								2.5	4.8
NNW	.6	1.1	.5									2.3	4.9
VARBL													
CALM												7.6	
	14.8	30.9	33.7	11.9	1.0	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114 FAIRCHILD AFB WA

69-78

JUL

STATION

STATION NAME

YEARS

ALL WEATHER

1800-2000

CLASS

MOSES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.9	.9	.2								4.6	5.1
NNE	1.3	2.8	1.2	.4	.1							5.8	5.9
NE	.8	1.5	.8	.6								3.7	6.6
ENE	1.2	1.6	1.0									3.8	5.1
E	1.9	1.4	.2									3.5	3.6
ESE	.8	.3	.1		.1							1.3	4.4
SE	1.2	.8	.1	.1								2.2	3.7
SSE	1.3	1.0	.9	.1								3.2	5.0
S	3.7	3.1	1.3	.3								8.4	4.6
SSW	1.2	2.9	2.6	.3								7.0	6.2
SW	2.3	3.4	3.3	1.0								16.0	6.2
WSW	3.8	6.8	4.4	1.3	.1							16.3	5.9
W	2.0	3.7	2.0	.8	.1	.1						8.7	6.3
WNW	1.1	1.3	1.0	.2	.1							3.7	5.5
NW	.5	1.6	.6	.1								2.9	5.4
NNW	.3	.4	.2	.1								1.1	5.3
VARB.													
CALM												13.9	
	24.8	34.5	20.5	5.6	.5	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOWES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 -	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.2	.4	.1								3.5	4.6
NNE	1.3	2.0	1.0	.6								4.9	5.8
NE	1.2	.4	.4	.4								2.5	5.5
ENE	1.0	.3	.4	.1								1.8	4.5
E	1.2	.8		.1								2.0	3.6
ESE	.5	.1										.5	2.5
SE	.4	.4	.1	.1								1.1	4.7
SSE	2.3	1.7	.3									4.3	3.6
S	3.4	2.3	.5	.1								6.3	3.9
SSW	2.9	1.8	1.5	.3								6.6	5.0
SW	3.1	4.2	1.4	.1								8.8	4.6
WSW	5.2	3.3	.9									9.4	3.6
W	4.7	2.9	1.0	.5								9.1	4.3
WNW	.6	.6	.1	.1								1.5	4.4
NW	.1	.6	.1									.9	4.6
NNW	.3	.5	.1									1.0	4.1
VARBL													
CALM												35.6	
	29.1	24.3	8.3	2.7								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24124

FAIRCHILD AFB WA

69-78

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

SOURCE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.2	.3	.1	.0							3.0	5.5
NNE	1.2	1.6	1.1	.5	.1	.0						4.5	6.1
NE	1.4	1.7	1.1	.5	.0							4.7	5.8
ENE	1.6	2.2	1.4	.2								5.4	5.4
E	2.3	1.9	.6	.1								4.8	4.0
ESE	.8	.5	.1		.0							1.5	3.7
SE	.9	.6	.2	.0								1.7	3.9
SSE	1.5	1.4	.5	.1								3.5	4.4
S	2.9	4.5	3.4	.7	.0							11.6	5.7
SSW	1.6	4.5	4.8	1.4	.1							12.4	7.0
SW	1.6	3.8	4.5	1.7	.1							11.6	7.3
WSW	1.7	2.6	2.4	1.3	.1							8.0	6.8
W	1.7	2.0	1.2	.4	.0	.0						5.3	5.6
WNW	.6	.6	.4	.1	.0							1.6	5.1
NW	.4	.6	.3	.0								1.4	5.0
NNW	.3	.5	.2	.0								1.2	5.0
VARBL													
CALM												18.0	
	21.2	30.3	22.9	7.2	.4	.0						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

7438

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

59-76

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0200

CLASS

WINDS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.1	.6	.1								2.7	5.0
NNE	1.2	1.1	.1									2.4	3.6
NE	2.3	1.2	.1									3.5	3.3
ENE	1.5	2.9	.9									5.3	4.8
E	1.9	1.2	.2									3.3	3.7
ESE	.8											.8	2.1
SE	.9	.1		.1								1.1	3.3
SSE	1.3	1.2	.1									2.6	3.5
S	2.9	4.2	1.6	.1								8.8	4.7
SSW	2.9	4.3	2.8	1.1								11.1	5.8
SW	2.9	1.8	2.2	.6	.1							7.6	5.8
WSW	1.4	1.4	.5	.2								3.5	4.8
W	2.5	2.5	1.3	.2								6.5	4.8
WNW	.4	1.0	.3	.1								1.8	5.0
NW		.3		.3								.6	8.7
NNW	.6	.8										1.4	3.9
VARBL													
CALM												37.0	
	24.3	24.9	10.8	2.9	.1							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114

FAIRCHILD AFB WA

69-78

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.3	.2									2.5	4.1
NNE	1.3	1.3	.2									2.8	3.9
NE	3.7	2.4	.8									6.8	3.8
ENE	3.2	3.3	.9									7.4	3.8
E	2.9	2.2										5.1	3.3
ESE	1.4	.3	.1									1.8	3.1
SE	1.6	.3										1.9	2.7
SSE	2.6	1.6	.2									4.4	3.5
S	3.8	4.1	1.3	.1								9.2	4.4
SSW	2.9	5.3	4.7	.9								13.8	6.1
SW	.8	1.5	3.0	1.0								6.2	7.6
WSW	.6	.9	.5									2.0	4.8
W	.5	1.3	.5	.1								2.5	5.2
WNW	.1	.2	.1	.3								.8	9.0
NW			.1									.1	10.0
NNW	.2	.3	.1									.6	4.7
VARBL													
CALM												32.0	
	26.6	26.2	12.8	2.4								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.9	.4									1.6	5.0
NNE	1.0	1.3	1.0									3.2	5.1
NE	1.7	4.0	2.7	.2								8.6	5.6
ENE	2.6	4.3	2.9									9.8	5.0
E	4.3	4.7	1.4									10.4	4.1
ESE	1.4	.8										2.2	2.8
SE	1.0	1.5	.2									2.7	4.0
SSE	1.6	2.8	.8									5.2	4.5
S	2.3	8.9	4.5	.6								16.3	5.6
SSW	1.4	5.7	6.5	1.4								14.9	6.9
SW	1.2	2.7	3.8	1.5								9.1	7.4
WSW	.4	.4	.8	.2								1.8	6.3
W	.5	.4	.3									1.3	4.6
WNW	.1		.1									.2	4.5
NW		.1	.1									.2	6.0
NNW	.2	.1	.2									.5	4.8
VARBL													
CALM												11.8	
	20.0	38.6	25.6	4.0								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA

STATION NAME

69-78

YEARS

AUG

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.6	.3									2.5	3.6
NNE	1.3	2.5	.9	.2								4.8	5.0
NE	1.6	4.0	2.4	.5								8.5	5.8
ENE	1.7	3.5	1.5	.4								7.2	5.4
E	2.9	4.2	.9	.1								8.1	4.5
ESE	1.1	.8	.1									1.9	3.7
SE	1.3	.8	.3									2.4	3.7
SSE	1.2	.9	.2									2.3	3.9
S	2.3	6.2	4.1	.4								13.0	5.9
SSW	1.8	7.3	8.6	1.5	.1							19.4	7.0
SW	1.0	3.8	6.5	3.8								14.9	8.3
WSW	.4	1.3	1.7	1.3	.1							4.8	8.4
W	.5	1.4	.4	.2								2.6	6.0
WNW	.2	.4	.1									.8	4.6
NW	.3	.1	.3									.8	5.4
NNW	.1	.3	.2	.2								.9	7.3
VARBL													
CALM												5.3	
	19.2	38.1	28.5	8.7	.2							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

930

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.4	.1	.1								2.7	4.2
NNE	1.3	2.0	1.0	.2								4.5	5.0
NE	1.6	2.8	.3	.1								4.8	4.3
ENE	.6	1.7	.5	.3								3.2	5.6
E	1.8	1.3	.5	.1								3.8	4.1
ESE	.8	.4										1.2	3.4
SE	.9	1.0	.3									2.2	4.3
SSE	1.0	.3	.2									1.5	3.6
S	1.7	4.0	4.3	.6								10.6	6.2
SSW	2.4	4.2	8.0	2.4	.1							17.0	7.5
SW	1.1	4.2	8.6	3.5	.2							17.6	8.4
WSW	.9	2.0	4.0	2.3	.1							9.2	8.3
W	1.3	4.2	2.6	1.0								9.0	6.4
WNW	.9	.6	.5	.2								2.3	5.3
NW	.4	.6	.3									1.4	4.8
NNW	.5	.4	.1									1.1	3.5
VARBL													
CALM												7.8	
	18.2	31.3	31.4	10.9	.4							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	.4	.2								2.9	4.7
NNE	1.2	1.4	1.0	.4								4.0	5.8
NE	1.5	.5	.6	.3								3.0	5.1
ENE	1.3	1.0	.9	.3								3.4	5.3
E	1.3	1.1	.5	.1								3.0	4.4
ESE	.4	.4										.9	3.4
SE	1.1	.2	.1									1.4	3.2
SSE	1.1	1.0	.3									2.4	4.1
S	1.8	2.5	1.5	.1								5.9	4.8
SSW	1.5	4.1	4.0	2.0	.1							11.7	7.3
SW	1.4	4.8	9.7	3.2	.3							19.5	8.2
WSW	2.0	3.0	7.4	3.3	.4							16.3	8.5
W	1.3	3.0	4.4	1.3	.1							10.1	7.2
WNW	.8	1.4	1.4	.1								3.7	6.0
NW	.8	1.6	.4	.3								3.1	5.5
NNW	.3	.8	.1	.2								1.4	5.9
VARBL													
CALM												7.3	
	18.8	28.0	32.8	12.1	1.0							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 929

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	.8	.3								3.4	5.3
NNE	1.2	2.5	.5	.2								4.4	5.0
NE	1.3	1.0	.1	.2								2.6	4.5
ENE	1.5	1.8	1.0	.3	.1							4.7	5.5
E	1.2	1.8	.2	.1								3.3	4.2
ESE	.5	.3	.1									1.0	3.0
SE	.4	.2	.1									.8	3.7
SSE	.8	.1										.9	2.4
S	2.2	.9	.6									3.7	3.9
SSW	3.2	3.5	1.6	.4								8.8	5.0
SW	4.7	5.6	3.9	1.4	.1							15.7	5.8
WSW	3.8	6.6	4.3	.4								15.1	5.5
W	2.3	4.2	2.8	.8								10.0	6.0
WNW	1.2	.8	.8	.2								2.9	5.5
NW	.9	.3	.1	.1								1.4	3.9
NNW	.5	1.0	.2									1.7	4.5
VARBL													
CALM												19.7	
	26.8	31.7	17.1	4.5	.2							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.8	.6	.1								2.3	5.4
NNE	.8	1.3	.4									2.5	4.4
NE	.5	.6	.6	.1	.1							2.0	6.4
ENE	1.2	1.0	1.0		.1							3.2	5.3
E	1.5	.9										2.4	3.1
ESE	.2	.1	.1									.4	4.3
SE	.4	.1										.5	2.4
SSE	.9	.5	.1									1.5	3.6
S	2.0	1.8	.5	.1								4.5	4.1
SSW	3.7	2.9	1.5	.6	.1							8.8	5.3
SW	5.2	3.8	2.0	.5	.1							11.6	4.7
WSW	2.9	4.9	1.3	.3	.1							9.6	4.8
W	4.8	5.9	1.0	.1								11.8	4.0
WNW	.5	1.1										1.6	4.1
NW	.3	.5	.1									1.0	4.0
NNW	.6	.1	.1									.9	3.3
VARBL													
CALM												35.4	
	26.3	26.3	9.5	1.9	.5							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114

STATION

FAIRCHILD AFB WA

STATION NAME

69-78

YEARS

AUG

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.0	.4	.1								2.6	4.7
NNE	1.1	1.7	.6	.1								3.6	4.8
NE	1.8	2.1	1.0	.2	.0							5.0	4.9
ENE	1.7	2.4	1.2	.2	.0							5.5	5.0
E	2.2	2.2	.5	.1								4.9	4.0
ESE	.8	.4	.1									1.3	3.2
SE	.9	.5	.1	.0								1.6	3.6
SSE	1.3	1.0	.2									2.6	3.8
S	2.4	4.1	2.3	.3								9.0	5.2
SSW	2.5	4.7	4.7	1.3	.1							13.2	6.5
SW	2.3	3.5	4.9	1.9	.1							12.8	7.2
WSW	1.6	2.6	2.6	1.0	.1							7.8	6.8
W	1.7	2.9	1.7	.5	.0							6.7	5.6
WNW	.5	.7	.4	.1								1.7	5.5
NW	.3	.5	.2	.1								1.1	5.3
NNW	.4	.5	.1	.1								1.1	4.7
VARBL													
CALM												19.5	
	22.5	30.6	21.1	5.9	.3							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

7439

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.9	.4	.4								3.6	5.7
NNE	2.7	1.4	1.1	1.2	.1							6.6	6.2
NE	3.6	1.6	1.0	.3								6.4	4.4
ENE	3.6	2.9	1.3									7.8	4.1
E	1.3	.8	.1									2.2	3.3
ESE	.4											.4	1.8
SE	1.2	.4										1.7	2.7
SSE	.9	1.6	.3									2.8	4.4
S	2.2	3.7	2.6	.4								8.9	5.5
SSW	.8	3.2	4.1	1.1								9.2	7.4
SW	.8	1.4	1.7	.9								4.8	7.2
WSW	.4	1.3	.9	.4								3.1	6.7
W	2.4	1.3	1.1									4.9	4.2
WNW	.8	.4	.1									1.3	3.3
NW	.3	.6										.9	4.0
NNW	.7	.9	.1									1.7	4.0
VARBL													
CALM												33.8	
	22.9	23.4	14.9	4.9	.1							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24.14
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.4	.8	.2								2.1	6.4
NNE	2.2	2.2	.9	1.1	.3							6.8	6.5
NE	4.4	2.3	1.1	.2								8.1	4.0
ENE	3.7	4.8	1.6									10.0	4.2
E	3.2	1.6	.2									5.0	3.2
ESE	1.0	.4										1.4	2.8
SE	.8	.6	.1									1.4	3.7
SSE	1.9	.8	.1									2.8	3.3
S	2.3	5.0	2.9	.3								10.6	5.5
SSW	1.2	3.7	5.4	1.7								12.0	7.2
SW	1.0	1.9	2.0	.9								5.8	6.9
WSW	.7	.6	.4									1.7	4.7
W	.4	.2	.3									1.0	4.6
WNW	.1	.6	.3									1.0	5.2
NW	.4	.2	.2									.9	4.5
NNW	.1	.4	.1	.1								.8	5.6
VARBL													
CALM												28.7	
	24.2	25.7	16.6	4.6	.3							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	.4	.1								1.7	5.9
NNE	.9	1.2	1.2	1.2	.4							5.0	8.4
NE	3.2	3.8	2.2	.4	.3							10.0	5.8
ENE	3.1	6.8	4.9									14.8	5.5
E	3.0	4.3	1.1									8.5	4.5
ESE	.8	1.1		.1								2.0	4.3
SE	1.0	.4	.2									1.7	3.6
SSE	1.4	1.0	.3									2.8	3.9
S	3.4	6.5	4.0	.3								14.2	5.4
SSW	2.3	4.8	6.0	1.1								14.2	6.5
SW	.3	1.6	2.9	1.7								6.5	8.4
WSW	.1	.4	.6	.2								1.3	7.4
W	.2	.3	.3	.1								1.0	6.3
WNW	.2	.7	.1									1.0	4.9
NW			.2									.2	8.0
NNW		.2	.1	.2								.6	8.6
VARBL													
CALM												14.6	
	20.6	33.8	24.7	5.6	.8							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114 FAIRCHILD AFB WA 69-78 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0900-1100
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	.4	.3								1.8	6.8
NNE	.8	.9	1.3	.8	.3							4.1	8.1
NE	1.6	3.8	5.3	2.7	.2							13.6	7.7
ENE	1.1	4.9	3.6	.4								10.0	6.2
E	1.8	5.0	1.9	.3								9.0	5.4
ESE	.6	.7	.4	.1								1.8	5.0
SE	1.3	1.3	.6	.1								3.3	4.7
SSE	1.0	1.4	.7									3.1	4.6
S	2.4	4.4	4.0	.6								11.4	6.0
SSW	1.9	5.0	6.0	2.9								15.8	7.4
SW	.6	2.3	4.9	2.7	.2							10.7	8.6
WSW	.6	1.0	1.4	1.3	.7							5.0	9.7
W	.4	1.0	1.4	.6								3.4	7.3
WNW	.2	.4	.3	.1								1.1	6.7
NW	.3	.2	.1	.1								.8	5.0
NNW	.2	.2	.2									.7	5.3
VARBL													
CALM												4.4	
	15.2	33.2	32.7	13.0	1.4							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	.2	.3								3.4	4.8
NNE	1.4	2.0	1.2	.7								5.3	6.1
NE	1.7	3.4	2.1	1.1	.1	.1						8.6	6.8
ENE	1.0	1.3	1.8	.6	.1							4.8	6.8
E	1.2	2.7	1.3									5.2	5.2
ESE	.4	.4	.4									1.3	4.8
SE	.3	.8	.3									1.4	5.2
SSE	.7	.4	.7	.1								1.9	5.6
S	1.6	4.2	2.9	.1								8.8	5.6
SSW	1.8	5.3	5.6	2.3	.4	.1						15.6	7.7
SW	1.6	3.1	6.2	4.4	.9							16.2	9.0
WSW	1.2	1.9	2.8	2.8	.8							9.4	9.1
W	1.2	1.7	2.4	1.1	.3							6.8	7.6
WNW	.3	.9	.4									1.7	5.5
NW	.9	.7	.4		.2							2.2	5.8
NNW	.6	.9	.2	.1								1.8	5.1
VARBL													
CALM												5.6	
	17.1	31.4	29.1	13.7	2.9	.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.7	1.4	.1								4.1	5.6
NNE	1.7	2.1	1.4	1.3	.1							6.3	6.5
NE	1.3	1.9	1.9	.7	.2							6.0	6.8
ENE	1.2	1.7	.7	.4								4.0	5.7
E	1.1	2.3	.4	.1								4.0	4.6
ESE	.7	.4										1.1	3.7
SE	1.1	.6	.1									1.8	3.7
SSE	.9	.9	.3									2.1	4.2
S	1.9	2.7	2.1	.2								6.9	5.4
SSW	1.1	3.8	4.7	2.2	.2							12.0	7.7
SW	1.3	3.9	5.7	4.0	.4							15.3	8.6
WSW	.9	2.6	4.1	2.8	.7	.1						11.1	9.3
W	1.0	2.9	2.7	1.7								8.2	7.4
WNW	.4	.9	.6	.1								2.0	5.4
NW	.9	1.0	.4	.2								2.6	5.3
NNW	1.0	.8	.3	.3								2.4	5.7
VARBL													
CALM												10.0	
	17.4	30.0	26.9	13.9	1.7	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.1	1.0									5.3	4.6
NNE	2.3	4.8	1.2	.2								8.6	4.8
NE	1.0	2.0	.4	.8	.1							4.3	6.5
ENE	1.2	1.6	.3	.2								3.3	4.7
E	1.4	.6	.2									2.2	3.6
ESE	.4	.2	.1									.8	3.9
SE	.6	.6										1.1	3.4
SSE	.9	.8	.3									2.0	4.0
S	4.2	2.8	.7									7.7	3.8
SSW	3.7	2.4	1.1	.2	.1							7.6	4.7
SW	3.7	3.4	2.9	1.2								11.2	5.9
WSW	2.9	3.4	1.9	1.3								9.6	5.8
W	2.4	1.7	1.1	.6	.1							5.9	5.3
WNW	.2	1.3	.1									1.7	4.9
NW	.1	.1										.2	2.5
NNW	.1	.3	.4	.1								1.0	7.6
VARBL													
CALM												27.6	
	27.4	28.1	11.9	4.7	.3							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.8	.9	.1	.1	.1						3.7	6.2
NNE	1.6	2.0	.4	.1	.3							4.4	5.6
NE	1.8	2.1	1.0	.6								5.5	5.1
ENE	.8	2.3	.3									3.4	4.4
E	1.0	.8										1.8	3.0
ESE	.3		.1									.4	3.8
SE	.9	.7										1.6	3.3
SSE	.8	.4	.7									1.9	4.5
S	2.6	3.0	2.0	.1								7.7	5.2
SSW	2.4	3.3	2.3	.8	.1							9.0	5.6
SW	2.4	2.3	1.4	.6								6.8	5.3
WSW	2.3	1.3	1.6	1.0								6.2	5.9
W	3.6	2.8	1.0	.4								7.8	4.6
WNW	.9	1.2	.1	.1								2.3	4.5
NW	.2	.6	.2	.1								1.1	5.4
NNW	.4	.8	.1	.1								1.4	4.9
VARBL													
CALM												34.9	
	22.7	25.5	12.2	4.0	.6	.1						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

899

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.3	.7	.2	.0	.0						3.2	5.6
NNE	1.7	2.1	1.1	.8	.2							5.9	6.4
NE	2.3	2.6	1.9	.8	.1	.0						7.8	6.1
ENE	2.0	3.3	1.8	.2	.0							7.3	5.2
E	1.8	2.3	.7	.1								4.7	4.4
ESE	.6	.4	.1	.0								1.2	4.0
SE	.9	.7	.2	.0								1.8	3.9
SSE	1.1	.9	.4	.0								2.4	4.3
S	2.6	4.0	2.6	.3								9.5	5.3
SSW	1.9	3.9	4.4	1.5	.1	.0						11.9	6.9
SW	1.5	2.5	3.5	2.0	.2							9.7	7.8
WSW	1.1	1.6	1.7	1.2	.3	.0						5.9	7.8
W	1.5	1.5	1.3	.6	.1							4.9	6.0
WNW	.4	.8	.3	.0								1.5	5.0
NW	.4	.4	.2	.1	.0							1.1	5.2
NNW	.4	.6	.2	.1								1.3	5.5
VARBL													
CALM												19.9	
	21.0	28.9	21.1	8.0	1.0	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

7198

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.1	.6	.1								2.0	6.0
NNE	1.5	1.7	.2	.2	.1							3.8	5.0
NE	3.1	2.6	.5	.6	.1							7.0	5.0
ENE	2.6	5.8	1.3									9.7	4.7
E	.8	1.0	.3									2.0	4.4
ESE	.6	.3	.1									1.1	3.2
SE	.9	.3	.1									1.3	2.8
SSE	.3	1.0	.3	.1								1.7	5.3
S	3.5	2.5	2.2	.5								8.7	5.2
SSW	2.2	2.5	3.2	2.3	.1							10.2	7.6
SW	1.2	1.6	2.5	.8								6.0	6.9
WSW	.3	1.4	.8									2.5	5.8
W	1.6	1.1	.5									3.2	4.1
WNW	.6	.8	.1		.1							1.6	4.6
NW	.5	.8										1.3	3.9
NNW	.3	.8										1.1	4.4
VARBL													
CALM												36.8	
	20.3	25.1	12.8	4.6	.4							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114

STATION

FAIRCHILD AFB WA

STATION NAME

69-78

YEARS

OCT

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.5	.1	.1	.1							1.9	5.2
NNE	1.8	1.5	.5	.4								4.3	5.0
NE	3.9	3.3	1.8	.2	.1							9.4	4.7
ENE	2.6	4.9	1.6	.2								9.4	4.8
E	1.7	1.3	.8									3.8	4.2
ESE	.4	.4										.9	3.5
SE	.9	.5	.1	.2								1.7	4.5
SSE	1.4	1.3	.3									3.0	4.2
S	2.4	4.0	2.8	.2								9.4	5.7
SSW	.9	3.5	4.6	1.3								10.3	7.4
SW	1.0	1.8	1.8	1.0	.1							5.7	7.2
WSW	.6	.8	.4	.2								2.0	5.2
W	1.2	1.3	.2									2.7	4.0
WNW	.3	.2										.5	3.6
NW	.1	.4	.3									.9	6.3
NNW	.1	.3										.4	4.5
VARBL													
CALM												33.8	
	20.3	26.2	15.5	3.9	.3							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114

STATION

FAIRCHILD AFB WA

STATION NAME

69-78

YEARS

OCT

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.2	.5	.2								2.5	5.8
NNE	2.2	2.4	.8	.5	.1							5.9	5.3
NE	2.7	4.5	2.9	.2	.1							10.4	5.5
ENE	3.5	6.9	2.7	.2								13.3	5.0
E	2.5	3.3	.9									6.7	4.2
ESE	1.2	.6										1.8	3.0
SE	1.8	.8	.3	.1								3.0	3.9
SSE	1.4	1.0	.9	.1								3.3	4.8
S	2.4	3.3	3.5	1.1								10.3	6.2
SSW	.6	3.8	3.8	1.2								9.4	7.4
SW	1.4	1.5	2.0	.9	.2							6.0	7.0
WSW	.4	.1	.6	.2								1.4	7.6
W	1.0	.6	.2									1.8	3.9
WNW	.2	.4	.1									.8	4.4
NW	.3	.4	.1									.9	4.1
NNW	.2	.2										.4	3.5
VARBL													
CALM												22.0	
	22.4	31.1	19.4	4.7	.4							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

MOVES (LST.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	.3	1.1								2.4	8.8
NNE	.5	1.7	1.0	.4	.2							3.9	7.3
NE	1.4	4.8	3.7	1.2	.3							11.4	6.8
ENE	1.9	5.4	4.2	1.0	.2							12.7	6.5
E	2.7	5.8	1.9	.3								10.8	5.0
ESE	1.0	1.7	.8	.1								3.5	5.1
SE	.9	1.3	1.1									3.2	5.3
SSE	.6	2.2	1.2									4.0	5.7
S	2.3	5.1	4.0	1.3								12.6	6.6
SSW	.9	4.1	4.9	3.0	.3							13.2	8.0
SW	.5	2.6	2.5	2.3	.1							8.0	8.4
WSW	.1	.6	1.1	.5	.1	.1						2.6	9.6
W	.3	.3	.8	.3	.1							1.8	8.4
WNW	.6	.3	.2									1.2	3.9
NW	.1	.5	.1									.8	5.6
NNW	.2		.4	.1								.8	7.6
VARBL													
CALM												7.3	
	14.4	37.1	28.1	11.6	1.4	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.4	.5	.2								2.9	4.8
NNE	1.6	2.3	1.6	.9	.1							6.5	6.3
NE	3.3	4.4	2.5	1.1	.3							11.3	6.0
ENE	2.3	2.4	2.3	.9								7.7	6.3
E	1.7	1.7	.9	.2								4.5	4.8
ESE	.8	.8	.3									1.8	4.3
SE	1.0	1.0	.4	.2								2.6	5.1
SSE	.3	1.1	.6	.2								2.3	6.3
S	1.6	3.0	2.5	.8								7.8	6.2
SSW	1.6	4.1	5.9	2.7	.2							14.5	7.9
SW	1.1	3.1	5.3	4.2	.3							14.0	9.0
WSW	1.0	.9	2.6	1.3	.2							5.9	8.4
W	1.0	1.7	1.6	.8	.2	.1						5.4	7.7
WNW	.5	.8	.3	.3								1.9	5.7
NW	1.1	.5	.2	.1								1.9	3.8
NNW	.5	.2	.2									1.0	4.1
VARBL													
CALM												8.0	
	20.8	28.3	27.7	13.8	1.4	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.2	.4	.6								4.0	5.1
NNE	2.6	4.2	1.9	.5	.1							9.4	5.5
NE	2.3	2.2	1.6	1.0	.1							7.1	5.9
ENE	1.8	2.9	1.4	.3	.1							6.6	5.4
E	1.8	1.3	.1									3.2	3.4
ESE	.2	.5	.2									1.0	4.7
SE		.3	.3									.6	7.3
SSE	.6	.8	.2	.1								1.7	5.1
S	1.4	2.8	1.7	.6								6.6	6.0
SSW	1.5	4.7	3.4	1.2	.1	.1						11.1	6.9
SW	2.5	4.9	4.0	2.7	.1							14.2	7.2
WSW	1.5	2.7	2.7	1.7	.1							8.7	7.4
W	1.2	1.7	2.0	.5	.3							5.8	7.2
WNW	1.0	1.3	.6	.2								3.1	5.4
NW	1.0	.6	.1	.1								1.8	4.2
NNW	.8	.6	.4									1.8	4.5
VARBL													
CALM												13.3	
	21.8	32.8	21.3	9.7	1.0	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.0		.1							4.5	4.8
NNE	1.9	3.2	1.1	.3								6.6	5.0
NE	1.5	1.1	.9	.1								3.5	4.9
ENE	1.5	2.6	.9									4.9	4.6
E	1.7	1.2	.3									3.2	3.5
ESE	.5	.2	.1									.9	3.5
SE	.4	.8	.1									1.3	4.1
SSE	.6	.5	.3	.2								1.7	5.6
S	3.0	1.7	.3	.1								5.2	3.8
SSW	3.1	3.9	1.7	1.2	.1							10.0	5.8
SW	2.3	1.9	2.2	.8	.1							7.2	6.1
WSW	1.6	3.3	1.5	.6								7.1	5.7
W	2.3	1.5	1.1	.8								5.6	5.5
WNW	.4	.4	.3	.1								1.3	5.2
NW	.5	.5	.1									1.2	3.8
NNW	.3	1.1		.1								1.5	4.5
VARBL													
CALM												34.3	
	23.5	25.7	11.8	4.3	.3							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

OCT
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	.6									3.1	4.4
NNE	1.1	1.8	.5	.2	.1							3.8	5.3
NE	1.9	2.4	1.2	.2	.1							5.8	5.5
ENE	2.0	3.9	1.1	.1								7.1	4.7
E	.8	1.2	.3									2.3	4.2
ESE	.1	.4										.5	3.8
SE	.6	.3										1.0	3.4
SSE	1.3	.6	.2	.1								2.3	4.1
S	1.9	3.0	1.3	.8	.2							7.2	6.1
SSW	1.8	2.7	2.6	1.9	.1							9.1	7.3
SW	1.7	2.5	1.6									5.8	5.0
WSW	1.3	2.2	1.3	.1								4.8	5.2
W	2.9	2.6	.8									6.2	4.0
WNW	.4	.9										1.3	4.0
NW	.4	1.0										1.4	4.1
NNW	.3	1.1	.1									1.5	4.6
VARBL													
CALM												36.8	
	19.9	27.7	11.6	3.4	.5							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114 FAIRCHILD AFB WA 69-78 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.3	.5	.3	.0							2.9	5.5
NNE	1.7	2.4	1.7	.4	.1							5.5	5.6
NE	2.5	3.2	1.9	.6	.1							8.2	5.7
ENE	2.3	4.3	1.9	.3	.0							8.9	5.3
E	1.7	2.1	.7	.1								4.6	4.4
ESE	.6	.6	.2	.0								1.4	4.1
SE	.8	.7	.3	.1								1.8	4.5
SSE	.8	1.0	.5	.1								2.5	5.1
S	2.3	3.2	2.3	.7	.0							8.5	5.9
SSW	1.6	3.7	3.8	1.8	.1	.0						11.0	7.3
SW	1.5	2.5	2.7	1.6	.1							8.4	7.4
WSW	.9	1.5	1.4	.6	.1	.0						4.4	6.8
W	1.4	1.4	.9	.3	.1	.0						4.1	5.7
WNW	.5	.6	.2	.1	.0							1.5	4.9
NW	.5	.6	.1	.0								1.3	4.3
NNW	.3	.5	.1	.0								1.1	4.7
VARBL													
CALM												24.0	
	20.4	29.2	18.5	7.0	.7	.0						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 7440

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.4	.2									1.6	3.9
NNE	1.8	3.6	1.0	.6	.2							7.1	5.7
NE	2.8	3.1	3.3	.8	.1	.1						10.2	6.4
ENE	3.3	4.1	1.3									8.8	4.5
E	2.1	1.1	.4	.3								4.0	4.1
ESE	.8	.9	.1									1.8	3.8
SE	.4	.9	.4	.1								1.9	5.6
SSE	1.6	1.6	.8									3.6	4.6
S	1.7	3.7	3.3	1.2								9.1	6.8
SSW	1.6	4.2	3.9	1.9	.6							12.1	7.8
SW	1.0	1.9	2.8	1.2	.1	.2						7.2	8.0
WSW	.7	.9	.3	1.0	.3							3.2	8.9
W	.8	2.2	.9									3.9	5.3
WNW	.1	.6										.7	4.3
NW		.3										.3	4.1
NNW	.4	.3	.1									.9	3.5
VARBL													
CALM												22.6	
	19.9	29.8	19.0	7.1	1.3	.3						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEAR

NOV
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.3	.7									3.7	4.2
NNE	2.1	3.3	1.2	.7								7.3	5.5
NE	2.0	4.2	1.9	.9	.3	.1						9.4	6.6
ENE	2.3	5.0	2.4	.1								9.9	4.9
E	2.2	2.8	.3									5.3	3.8
ESE	.9	.6	.6									2.0	4.5
SE	.8	1.8	.8									3.3	5.0
SSE	2.3	1.2	.4	.2	.2							4.1	5.0
S	2.1	4.8	3.3	.9								11.1	6.1
SSW	1.6	3.1	4.4	1.3	.4							10.9	7.6
SW	.6	1.6	2.7	1.4	.4							6.7	9.1
WSW	.2	.8	1.0	.7		.1						2.8	8.7
W	.9	.8	.2	.2								2.1	5.2
WNW	.2	.3										.6	4.0
NW		.1										.1	4.0
NNW		.1										.1	4.0
VARBL													
CALM												20.6	
	19.6	31.8	20.0	6.4	1.4	.2						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

NOV
MONTH

0600-0800
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.7	.2									1.8	3.7
NNE	1.7	3.7	1.6	1.0	.2							8.1	6.4
NE	2.1	4.7	2.6	.8	.2							10.3	6.1
ENE	2.4	5.6	2.7	.1								10.8	5.1
E	1.7	2.0	.4	.1								4.2	4.3
ESE	.7	.6	.4									1.7	4.5
SE	.9	.8	.8	.1								2.6	5.0
SSE	1.3	2.1	1.0	.1								4.6	5.1
S	2.9	2.8	3.1	1.2	.1							10.1	6.3
SSW	1.0	2.8	4.8	1.7	.2							10.4	7.8
SW	1.0	1.8	2.4	2.3	.3							7.9	8.9
WSW	.2	.7	.9	.9	.2							2.9	9.2
W	.3	.8	.2	.3								1.7	6.5
WNW	.4	.1	.1									.7	3.5
NW	.2	.3	.1									.7	4.5
NNW	.6	.1										.7	2.5
VARBL													
CALM												21.0	
	18.3	29.3	21.3	8.7	1.3							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114
STATIONFAIRCHILD AFB WA
STATION NAME69-78
YEARSNOV
MONTH0900-1100
HOURS (L.S.T.)ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.4	.3	.2								1.8	5.2
NNE	.6	2.3	1.8	.7	.3							5.7	7.5
NE	1.1	4.7	4.1	1.6	.3							11.8	7.2
ENE	2.2	5.1	2.6	1.1		.1						11.1	6.2
E	2.8	4.2	.8	.1								7.9	4.3
ESE	1.4	.9	.2									2.6	3.5
SE	.8	2.0	1.2	.2								4.2	5.9
SSE	1.2	1.9	2.8	.3								6.2	6.4
S	2.1	4.9	3.4	1.0	.3							11.8	6.6
SSW	1.8	2.8	3.4	1.2	.4	.1						9.8	7.6
SW	.4	2.3	2.9	2.3	.4	.1						8.6	9.2
WSW	.1	1.0	1.1	.8	.6							3.6	10.3
W	.3	.6	.8	1.1	.1							2.9	9.8
WNW	.3	.2	.6									1.1	6.2
NW	.3	.2	.3									.9	5.1
NNW		.1		.1								.2	7.5
VARBL													
CALM												10.0	
	16.3	33.7	26.3	10.8	2.6	.3						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

NOV
MONTH
1200-1400
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.1	.2	.1								.7	6.5
NNE	.9	1.8	1.6	.3		.1						4.7	6.6
NE	.6	4.2	4.8	1.7	.2	.1						11.6	7.8
ENE	1.7	4.3	3.2	.2	.2							9.7	6.2
E	1.4	3.1	1.1	.2								5.9	5.1
ESE	.8	1.3	.3									2.4	4.5
SE	1.4	1.0	.8	.1								3.3	5.0
SSE	.9	2.0	.9	.4								4.2	5.8
S	1.4	5.8	3.8	1.1								12.1	6.4
SSW	1.8	4.3	4.7	1.6	.1	.3						12.8	7.5
SW	.3	1.6	4.0	2.9	.4	.1						9.3	9.9
WSW	.4	1.1	2.4	1.3	.3	.2						5.9	9.7
W	.6	.8	1.0	1.8	.3							4.4	10.1
WNW	.7	.2	.8	.7								2.3	7.9
NW	.2	.2	.2	.1								.8	6.3
NNW	.1	.4										.6	3.8
VARBL													
CALM												9.2	
	13.5	32.4	29.8	12.6	1.7	.9						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 899

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	.4	.1								2.2	5.0
NNE	1.6	4.6	1.1	.8	.1							8.1	5.9
NE	.8	5.3	4.0	1.0	.2							11.3	7.0
ENE	2.0	4.8	1.7	.1								8.6	4.9
E	1.4	2.1	.7									4.2	4.5
ESE	1.0	1.0	.2									2.2	3.9
SE	.8	.9	.2									1.9	4.0
SSE	1.3	1.6	.7	.4								4.0	5.4
S	3.9	6.1	2.4	.6								13.0	5.0
SSW	1.0	3.2	3.2	.6	.2	.1						8.3	7.3
SW	.7	2.0	3.4	2.8	.3	.1						9.3	9.2
WSW	.4	1.7	1.2	1.9	.3							5.6	9.1
W	.9	.7	1.2	.8	.1							3.7	7.8
WNW	.8		.6	.1								1.4	5.6
NW		.1	.1									.2	8.0
NNW	.4	.1	.3	.1								1.0	5.3
VARBL													
CALM												14.9	
	17.6	35.2	21.6	9.2	1.3	.2						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.8	.1									2.6	4.0
NNE	2.1	4.3	.8	.7	.1							8.0	5.4
NE	1.9	4.0	1.8	1.1	.1							8.9	6.2
ENE	3.2	4.2	1.2	.1								8.8	4.5
E	1.7	1.6	.3	.1								3.7	4.0
ESE	.2	.4	.1									.8	4.4
SE	1.0	.9	.3									2.2	4.3
SSE	1.1	1.6	1.2	.4								4.3	6.1
S	3.0	3.2	1.8	.8	.1							8.9	5.6
SSW	1.4	2.0	3.0	1.6	.6							8.6	8.4
SW	1.6	1.1	2.3	2.4	.1	.1						7.7	8.5
WSW	1.0	1.6	1.6	.4								4.6	6.2
W	.8	.8	.7	.6								2.8	6.3
WNW	.3	.1	.4									.9	5.5
NW	.3	.3	.4									1.1	5.1
NNW	.3	1.0	.1									1.4	4.0
VARBL													
CALM												24.8	
	20.7	28.9	16.2	8.2	1.0	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

899

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.4	.1								3.2	4.3
NNE	1.9	3.0	.8	.6	.1							6.3	5.5
NE	2.3	3.7	2.8	1.3								10.1	6.4
ENE	1.6	4.2	1.4									7.2	5.0
E	1.9	2.0	.3									4.2	3.8
ESE	1.0	.4	.2									1.7	3.8
SE	.4	.8	.4									1.7	4.8
SSE	1.4	1.7	1.6	.2								4.9	5.3
S	1.4	3.2	2.2	1.0								7.9	6.3
SSW	.9	2.4	2.4	1.7	.7							8.1	8.4
SW	.9	1.7	3.7	2.4	.2	.1						9.0	9.0
WSW	.9	1.4	1.9	.6	.1							4.9	6.9
W	.9	1.2	.8	.1	.1							3.1	6.0
WNW	.4	.7	.1									1.2	4.1
NW	.1	.2										.3	5.0
NNW	.4	.1	.1									.7	3.3
VARBL													
CALM												25.4	
	17.9	28.1	19.2	8.0	1.2	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114

FAIRCHILD AFB WA

69-78

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9	.3	.1								2.2	4.4
NNE	1.6	3.3	1.2	.7	.1	.0						6.9	6.0
NE	1.7	4.2	3.2	1.1	.2	.0						10.5	6.8
ENE	2.3	4.7	2.1	.2	.0	.0						9.3	5.2
E	1.9	2.4	.6	.1								4.9	4.3
ESE	.8	.8	.3									1.9	4.1
SE	.8	1.1	.6	.1								2.6	5.0
SSE	1.4	1.7	1.2	.3	.0							4.5	5.5
S	2.3	4.3	2.9	1.0	.1							10.6	6.1
SSW	1.4	3.1	3.7	1.4	.4	.1						10.1	7.8
SW	.8	1.7	3.0	2.2	.3	.1						8.2	9.0
WSW	.5	1.1	1.3	.9	.2	.0						4.2	8.6
W	.7	1.0	.7	.6	.1							3.1	7.3
WNW	.4	.3	.3	.1								1.1	5.7
NW	.2	.2	.2	.0								.6	5.3
NNW	.3	.3	.1	.0								.7	4.0
VARBL													
CALM												18.6	
	18.0	31.1	21.7	8.9	1.5	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.8	.9									3.4	5.1
NNE	1.1	2.3	1.3	.4								5.4	5.8
NE	1.7	3.0	.9	1.1								6.7	6.1
ENE	1.8	4.2	1.4	.5								8.0	5.4
E	1.2	1.2	.4									2.8	4.0
ESE	.2	.1	.1									.4	4.3
SE	.8	.8	.5	.2								2.3	5.5
SSE	.5	1.9	1.6	.4	.1							4.6	6.8
S	1.8	3.8	2.5	1.6	.4							10.1	7.4
SSW	1.7	2.6	2.8	2.4	1.5	.5	.1					11.6	10.3
SW	1.2	2.3	2.7	3.5	1.7	.2						11.6	10.7
WSW	.5	.9	.8	.6	.2							3.0	8.2
W	1.0	1.4	.6	.3								3.3	5.7
WNW	.2	.6	.2	.1								1.2	5.6
NW	.3	.3	.3									1.0	4.6
NNW	.4	.6	.4									1.5	5.0
VARBL													
CALM												23.1	
	15.3	27.7	17.7	11.3	4.0	.8	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.6	.6									3.1	4.5
NNE	1.3	2.6	1.1	.4								5.4	5.6
NE	2.0	4.6	1.2	1.0								8.8	5.6
ENE	2.3	4.3	2.0	.1								8.7	5.2
E	.8	1.5	.5									2.8	5.0
ESE	.8	.5	.1	.1								1.5	4.4
SE	1.2	.6	.6									2.5	4.5
SSE	1.4	2.5	.8	.3								4.9	5.3
S	2.7	3.0	2.4	1.3	.3							9.7	6.7
SSW	1.3	2.5	3.7	3.1	1.6	.2						12.4	9.9
SW	.8	1.8	2.5	3.4	1.0	.3						9.8	10.6
WSW	.5	1.4	1.0	1.1	.2							4.2	8.3
W	.9	1.4	.4	.3								3.0	5.5
WNW	.1	.4										.5	4.4
NW	.1	.4	.2	.1								.9	7.1
NNW	.1	.4	.5									1.1	6.6
VARBL													
CALM												20.8	
	17.0	29.7	17.6	11.3	3.1	.5						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	.4									3.2	4.5
NNE	1.6	2.8	.9	.4								5.7	5.4
NE	1.3	4.6	1.6	.5	.1							8.2	6.0
ENE	2.5	4.5	2.0	.1								9.1	4.8
E	2.3	1.5	.5									4.3	3.9
ESE	.5	.5	.2									1.3	4.1
SE	.8	.9	.6	.3	.1							2.7	6.7
SSE	1.8	2.5	.4	.5								5.3	5.1
S	2.5	3.7	3.0	1.3	.4							10.9	6.9
SSW	1.3	2.7	2.5	3.7	.5							10.6	9.0
SW	.8	1.7	2.4	2.8	.5	.3						8.5	10.1
WSW	.3	1.0	1.2	.8	.4	.1						3.8	9.5
W	1.1	1.0	.5	.3								2.9	5.3
WNW	.2	.2	.2									.6	4.3
NW	.2	.3	.1									.6	4.5
NNW	.6	.6	.1									1.4	4.1
VARBL													
CALM												20.9	
	18.8	30.2	16.8	10.8	2.2	.4						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24114
STATIONFAIRCHILD AFB WA
STATION NAME69-78
YEARSDEC
MONTHALL WEATHER
CLASS0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.0	.1	.1								1.8	4.5
NNE	1.5	1.5	.8	.5								4.3	5.5
NE	1.8	3.5	3.0	1.1	.3							9.8	6.6
ENE	1.3	4.6	2.7	.3	.1							9.0	5.9
E	1.8	3.0	.3	.1								5.3	4.3
ESE	.9	.9	.2									1.9	3.9
SE	.3	1.0	.5									1.8	5.7
SSE	1.2	2.0	2.3	.9	.2							6.6	7.2
S	2.8	3.9	3.2	1.9	.2							12.0	6.9
SSW	1.6	2.4	3.2	3.3	.4							11.0	8.6
SW	.5	1.9	1.5	3.2	1.6	.8						9.6	12.0
WSW	.9	1.0	1.3	.6	.1	.1						4.0	7.7
W	.5	1.3	1.4	.6	.1							4.0	7.4
WNW	.5	.4	.2	.1								1.3	5.2
NW	.4	.3	.2									1.0	4.4
NNW	.4	.4	.1									1.0	4.1
VARBL													
CALM												15.7	
	17.2	29.1	21.1	12.9	3.1	.9						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	.1	.1								1.1	5.7
NNE	1.3	1.9	1.2	.4	.1							4.9	6.0
NE	1.8	4.7	2.9	1.0	.3							10.8	6.6
ENE	1.9	4.8	2.2	.9								9.8	5.7
E	1.5	1.9	.5									4.0	4.3
ESE	.4	1.0	.1									1.5	4.5
SE	.6	1.7	.5	.2								3.2	5.6
SSE	1.4	1.4	1.8	1.2								5.8	7.0
S	2.5	3.8	2.9	.9	.2							10.2	6.3
SSW	2.2	3.1	4.1	2.9	.3							12.6	8.3
SW	.8	1.9	2.0	3.9	1.3	.2						10.1	10.9
WSW	.8	1.1	1.4	1.3	.4	.5						5.5	10.5
W	1.1	1.3	.6	1.1	.1							4.2	7.3
WNW	.4	.6	.3	.1								1.5	5.5
NW	.2	.8	.4									1.4	5.7
NNW	.1	.5	.5									1.2	6.3
VARBL													
CALM												12.3	
	17.2	31.3	21.8	13.9	2.8	.8						105.0	6.4

TOTAL NUMBER OF OBSERVATIONS

930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIN. SPEED
N	.3	.8	.4									1.5	5.3
NNE	1.9	2.4	1.2	.3								5.8	5.1
NE	2.0	4.1	2.5	.6	.1							9.4	6.1
ENE	2.0	4.1	1.1	.4								7.6	5.1
E	1.2	1.8	.4									3.4	4.4
ESE	1.1	1.2	.5	.1								2.9	4.9
SE	1.1	1.1	.6	.6	.1							3.5	6.5
SSE	1.2	1.1	2.3	.6	.1	.1						5.4	7.5
S	2.0	4.1	2.3	1.3								9.7	6.3
SSW	1.5	2.9	3.4	1.9	1.2	.1						11.1	8.8
SW	1.7	2.4	1.7	2.8	.9	.2						9.7	9.6
WSW	1.2	1.3	1.3	1.0	.3							5.1	8.0
W	1.1	2.5	1.1	1.4	.1							6.1	7.0
WNW	.6	1.0	.4									2.0	5.1
NW		.2	.1									.3	5.3
NNW	.3	.5										.9	3.8
VARBL													
CALM												15.6	
	19.4	31.3	19.4	11.2	2.8	.4						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-76
YEAR

DEC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	.6									2.4	5.3
NNE	2.2	2.9	1.1									6.1	4.4
NE	1.0	3.5	1.7	.8								7.0	6.4
ENE	1.8	4.5	1.0	.2								7.5	4.9
E	1.6	1.2	.3	.1								3.2	3.9
ESE	.4	.9		.1								1.4	4.5
SE	.3	.8	.5	.3								1.9	6.4
SSE	1.2	2.4	2.2	1.9	.1							7.7	7.8
S	1.3	2.9	3.9	.4	.2							8.7	7.0
SSW	1.5	2.6	3.4	2.7	.8							11.1	8.8
SW	1.2	2.2	1.9	2.4	1.3	.5						9.5	10.6
WSW	.9	1.2	.8	.9	.3							4.0	7.8
W	1.0	2.3	1.0	.5								4.7	5.6
WNW	.8	.3	.5	.1								1.7	5.4
NW	.5		.2									.8	3.9
NNW	.3	.9	.1									1.3	4.6
VARBL													
CALM												21.0	
	16.7	29.5	19.2	10.4	2.7	.5						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

20114
STATIONFAIRCHILD AFB WA
STATION NAME69-78
YEARSDEC
MONTH2100-2300
HOURS (L.S.T.)ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.4	.2									2.5	4.2
NNE	2.3	3.5	1.5	.2	.1							7.6	5.1
NE	1.7	2.5	.9	1.3								5.6	6.9
ENE	1.9	4.1	1.9	.1								8.1	5.1
E	1.3	1.6	.3									3.2	4.1
ESE	.6	.2										.9	3.0
SE	.2	.5	.5	.1	.1							1.5	7.4
SSE	.9	1.4	1.7	1.5	.1							5.6	8.0
S	1.7	3.5	3.8	2.8	.2	.1						12.2	8.1
SSW	.9	2.9	3.4	2.7	1.5	.1	.1					11.6	10.1
SW	.9	1.0	1.8	2.3	.9	.3						7.1	10.9
WSW	.6	1.1	.9	.8	.2							3.5	7.8
W	1.6	1.6	.5	.2	.1							4.1	4.8
WNW	.5	.2	.1									.9	3.4
NW	1.2		.2									1.4	3.1
NNW	.3	.5										.9	4.3
VARBL													
CALM												23.4	
	16.8	26.1	17.8	11.9	3.2	.5	.1					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	.4	.0								2.4	4.8
NNE	1.6	2.5	1.2	.3	.0							5.7	5.3
NE	1.6	3.8	1.8	.9	.1							8.3	6.3
ENE	1.9	4.4	1.8	.3	.0							8.5	5.3
E	1.5	1.7	.4	.0								3.6	4.2
ESE	.6	.7	.2	.0								1.5	4.3
SE	.7	.9	.6	.2	.0							2.4	6.0
SSE	1.2	1.9	1.6	.9	.1	.0						5.7	6.9
S	2.2	3.6	3.0	1.4	.3	.0						10.4	7.0
SSW	1.5	2.7	3.3	2.8	1.0	.1	.0					11.5	9.2
SW	1.0	1.9	2.1	3.0	1.1	.4						9.5	10.7
WSW	.7	1.1	1.1	.9	.3	.1						4.1	8.6
W	1.0	1.6	.8	.6	.1							4.0	6.2
WNW	.4	.5	.3	.1								1.2	5.0
NW	.4	.3	.2	.0								.9	4.7
NNW	.3	.6	.2									1.1	4.9
VARBL													
CALM												19.1	
	17.3	29.4	18.9	11.7	3.0	.6	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-79
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 -	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.0	.5	.1	.0	.0						2.5	5.1
NNE	1.3	2.0	1.1	.5	.1	.0						5.1	6.1
NE	1.7	2.8	1.8	.6	.1	.0	.0					7.1	6.2
ENE	1.8	3.2	1.8	.3	.0	.0						7.1	5.5
E	1.7	1.9	.6	.1	.0	.0						4.4	4.4
ESE	.7	.6	.2	.0	.0							1.5	4.2
SE	.9	.8	.3	.1	.0							2.0	4.6
SSE	1.1	1.3	.7	.2	.0	.0						3.4	5.3
S	2.5	4.0	2.9	.8	.1	.0						10.3	6.0
SSW	1.6	3.9	4.7	2.3	.4	.1	.0	.0				13.0	7.9
SW	1.4	2.7	3.9	2.7	.5	.1	.0	.0				11.3	8.8
WSW	1.1	1.8	1.9	1.3	.2	.1	.0	.0				6.3	7.9
W	1.2	1.8	1.3	.7	.1	.0						5.1	6.6
WNW	.5	.7	.4	.1	.0							1.6	5.5
NW	.3	.4	.2	.1	.0							1.0	5.2
NNW	.3	.5	.2	.1	.0							1.1	5.0
VARBL													
CALM												17.3	
	18.9	29.3	22.6	10.0	1.5	.4	.1	.0				100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

87629

2

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

69-79

MONTH

STATION

STATION NAME

YEARS

INSTRUMENT

ALL

HOURS (L.S.T.)

CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

1
2
3
4

10116

C

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					93.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 93.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING BRANCH
USAF ETAC
AFT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIPCHILD AFB WA
STATION NAME

70-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .2	≥ .16	≥ .1	≥ 0
NO CEILING	28.8	29.4	29.6	29.7	30.1	30.2	30.5	30.6	30.6	30.8	30.9	30.9	31.3	31.4	32.3	32.7
≥ 20000	30.0	30.5	30.8	30.9	31.4	31.5	31.8	31.9	31.9	32.0	32.3	32.3	32.7	32.8	33.7	34.1
≥ 18000	30.3	30.9	31.1	31.2	31.7	31.8	32.2	32.3	32.3	32.4	32.6	32.6	33.0	33.1	34.0	34.4
≥ 16000	30.8	31.3	31.6	31.7	32.3	32.4	32.7	32.8	32.8	32.9	33.1	33.1	33.5	33.7	34.5	34.9
≥ 14000	32.3	32.3	33.2	33.3	34.0	34.1	34.4	34.5	34.5	34.6	34.9	34.9	35.4	35.5	36.3	36.8
≥ 12000	34.2	34.8	35.2	35.3	35.9	36.0	36.3	36.5	36.5	36.7	37.0	37.0	37.4	37.5	38.4	38.8
≥ 10000	36.8	37.8	38.2	38.3	38.9	39.2	39.4	39.5	39.5	39.7	40.0	40.0	40.4	40.5	41.4	41.8
≥ 9000	37.8	39.0	39.4	39.5	40.1	40.2	40.5	40.6	40.6	40.9	41.2	41.2	41.6	41.7	42.6	43.0
≥ 8000	40.3	41.5	41.9	42.0	42.7	42.8	43.2	43.3	43.3	43.5	43.9	43.9	44.3	44.4	45.3	45.7
≥ 7000	43.4	44.7	45.2	45.3	45.9	46.0	46.5	46.6	46.6	46.8	47.1	47.1	47.5	47.6	48.5	48.9
≥ 6000	44.4	46.3	46.5	46.6	47.2	47.3	47.7	48.0	48.0	48.2	48.5	48.5	48.9	49.0	49.9	50.3
≥ 5000	45.6	48.4	48.8	48.9	49.8	49.9	50.3	50.5	50.5	50.8	51.1	51.1	51.5	51.6	52.5	52.9
≥ 4500	48.2	50.0	50.4	50.6	51.5	51.6	52.0	52.3	52.3	52.5	52.8	52.8	53.2	53.3	54.2	54.6
≥ 4000	49.8	51.7	52.2	52.4	53.2	53.3	53.8	54.0	54.0	54.2	54.5	54.5	54.9	55.1	55.9	56.3
≥ 3500	50.4	52.5	52.9	53.1	54.0	54.1	54.5	54.7	54.7	54.9	55.3	55.3	55.7	55.8	56.7	57.1
≥ 3000	51.8	54.0	54.6	54.8	55.7	55.8	56.2	56.5	56.5	56.8	57.1	57.1	57.5	57.6	58.5	58.9
≥ 2500	53.1	56.0	56.8	57.1	58.0	58.1	58.5	58.7	58.7	59.0	59.4	59.4	59.8	59.9	60.8	61.2
≥ 2000	54.2	57.2	58.1	58.3	59.1	59.2	59.8	60.1	60.2	60.5	60.9	60.9	61.3	61.4	62.3	62.7
≥ 1800	54.3	57.4	58.2	58.5	59.5	59.6	60.3	60.6	60.8	61.1	61.4	61.4	61.8	61.9	62.8	63.2
≥ 1500	54.9	58.3	59.0	59.4	60.3	60.4	61.5	62.0	62.3	62.8	63.1	63.1	63.5	63.7	64.5	64.9
≥ 1200	55.7	59.7	60.6	61.2	62.3	62.4	63.7	64.2	64.4	64.9	65.3	65.3	65.7	65.8	66.7	67.1
≥ 1000	56.2	60.9	61.8	62.6	64.0	64.3	65.6	66.2	66.5	67.0	67.3	67.3	67.7	67.8	68.7	69.1
≥ 900	57.0	62.3	63.3	64.4	65.8	66.1	67.4	68.2	68.5	69.3	69.4	69.4	69.8	69.9	70.8	71.2
≥ 800	58.2	63.7	64.7	65.8	67.2	67.5	68.8	69.6	69.9	70.5	70.9	70.9	71.3	71.4	72.3	72.7
≥ 700	58.9	64.5	65.6	66.7	68.1	68.4	69.7	70.5	70.9	71.9	72.5	72.5	72.9	73.0	73.9	74.3
≥ 600	59.8	65.8	66.9	68.2	69.7	70.0	71.4	72.6	73.0	74.3	75.1	75.1	75.9	76.0	76.9	77.3
≥ 500	60.2	66.3	67.4	68.8	70.4	70.8	72.5	74.3	75.5	77.0	77.8	77.8	78.7	78.8	80.0	80.5
≥ 400	60.5	67.2	68.4	69.6	71.7	72.0	73.8	75.6	76.9	78.4	79.6	79.6	80.4	80.5	81.7	82.4
≥ 300	61.3	67.7	69.1	70.6	73.1	73.8	76.1	78.6	80.2	82.6	84.6	84.6	86.0	86.1	87.2	90.1
≥ 200	61.0	67.7	69.1	70.6	73.1	73.9	76.6	79.0	80.6	83.4	86.1	86.2	88.7	90.0	93.4	97.3
≥ 100	61.0	67.7	69.1	70.6	73.1	73.9	76.6	79.0	80.6	83.7	86.6	86.7	89.2	90.5	94.4	100.0
≥ 0	61.0	67.7	69.1	70.6	73.1	73.9	76.6	79.0	80.6	83.7	86.6	86.7	89.2	90.5	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	25.2	25.5	25.5	25.6	25.9	25.9	25.9	25.9	26.1	26.1	26.2	26.2	26.7	26.7	27.3	27.6
≥ 20000	26.3	27.4	27.4	27.5	27.8	27.8	28.0	28.0	28.1	28.2	28.5	28.5	28.9	28.9	29.7	30.1
≥ 18000	27.3	28.1	28.3	28.1	28.4	28.4	28.5	28.5	28.6	28.7	29.0	29.0	29.5	29.5	30.2	30.6
≥ 16000	28.1	28.6	28.6	28.7	29.0	29.3	29.1	29.1	29.2	29.5	29.8	29.8	30.2	30.2	31.0	31.4
≥ 14000	28.8	29.5	29.3	29.6	30.0	30.0	30.1	30.1	30.2	30.4	30.8	30.8	31.2	31.2	31.9	32.4
≥ 12000	31.3	31.9	31.9	32.0	32.5	32.5	32.6	32.6	32.7	32.9	33.2	33.2	33.7	33.7	34.4	34.8
≥ 10000	33.9	34.5	34.5	34.6	35.1	35.1	35.2	35.2	35.3	35.5	35.8	35.8	36.2	36.2	37.0	37.5
≥ 9000	35.3	36.1	36.1	36.1	36.6	36.6	36.7	36.7	36.8	37.0	37.3	37.3	37.7	37.7	38.5	39.0
≥ 8000	38.1	39.0	39.0	39.1	39.6	39.6	39.7	39.7	39.8	40.0	40.3	40.3	40.8	40.8	41.5	42.0
≥ 7000	40.5	41.5	41.5	41.6	42.0	42.0	42.2	42.2	42.3	42.5	42.8	42.8	43.2	43.2	44.0	44.5
≥ 6000	43.1	44.1	44.1	44.1	44.6	44.6	44.7	44.7	44.8	45.1	45.4	45.4	45.8	45.8	46.6	47.1
≥ 5000	46.7	48.1	48.1	48.2	48.7	48.7	48.8	48.8	48.9	49.1	49.5	49.5	49.9	49.9	50.6	51.2
≥ 4500	47.4	49.2	49.2	49.4	49.9	49.9	50.0	50.0	50.1	50.3	50.6	50.6	51.1	51.1	51.8	52.4
≥ 4000	49.5	51.3	51.6	51.8	52.4	52.4	52.5	52.5	52.6	52.8	53.1	53.1	53.5	53.5	54.3	54.8
≥ 3500	49.8	51.9	52.0	52.3	52.8	52.8	52.9	52.9	53.0	53.2	53.5	53.5	54.0	54.0	54.7	55.3
≥ 3000	51.6	53.9	54.2	54.5	55.1	55.1	55.2	55.2	55.3	55.5	55.8	55.8	56.2	56.2	57.0	57.5
≥ 2500	52.8	55.5	56.0	56.3	56.9	56.9	57.0	57.1	57.2	57.4	57.7	57.7	58.3	58.3	59.0	59.6
≥ 2000	53.7	56.5	57.0	57.3	58.1	58.1	58.4	58.6	58.8	59.0	59.4	59.4	59.9	59.9	60.6	61.2
≥ 1800	53.9	56.7	57.2	57.7	58.5	58.5	58.8	59.0	59.2	59.6	59.9	59.9	60.4	60.4	61.2	61.7
≥ 1500	54.1	57.0	57.5	58.1	58.8	58.8	59.1	59.6	60.0	60.3	60.6	60.6	61.2	61.2	61.9	62.5
≥ 1200	54.7	58.0	58.5	59.1	60.1	60.1	60.8	61.3	61.7	62.0	62.4	62.4	62.9	62.9	63.7	64.2
≥ 1000	55.4	59.5	60.1	61.0	62.4	62.5	63.1	64.0	64.5	64.9	65.3	65.3	65.8	65.8	66.6	67.1
≥ 900	56.3	60.5	61.2	62.5	63.9	64.1	64.6	65.6	66.1	66.6	66.9	66.9	67.4	67.4	68.2	68.7
≥ 800	56.5	61.3	62.2	63.4	64.8	64.9	65.6	67.0	67.5	68.1	68.3	68.3	68.8	68.8	69.6	70.1
≥ 700	56.8	61.7	62.6	63.9	65.4	65.5	66.1	67.6	68.3	68.9	69.7	69.7	70.2	70.2	71.0	71.5
≥ 600	57.6	63.1	64.0	65.3	67.3	67.4	68.2	70.0	70.9	71.6	72.6	72.6	73.4	73.4	74.2	74.7
≥ 500	58.2	64.4	65.3	66.6	69.0	69.1	70.1	72.0	73.4	74.4	75.5	75.6	76.5	76.5	77.3	78.0
≥ 400	58.6	65.6	66.7	68.2	71.1	71.2	72.6	74.8	76.3	77.5	78.6	78.8	79.8	79.9	81.0	81.6
≥ 300	58.9	66.5	67.3	69.5	72.9	73.0	74.8	77.6	80.0	81.9	84.2	84.5	86.5	86.9	88.7	91.1
≥ 200	59.0	66.7	67.6	69.9	73.4	73.7	75.5	78.3	80.8	83.1	85.9	86.3	89.0	90.1	93.9	97.2
≥ 100	59.3	66.7	67.6	69.9	73.4	73.7	75.5	78.5	81.1	83.4	86.2	86.7	89.5	90.5	95.1	100.0
≥ 0	59.0	66.7	67.6	69.9	73.4	73.7	75.5	78.5	81.1	83.4	86.2	86.7	89.5	90.5	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AFM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24-14
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥.	≥0
NO CEILING	22.6	23.2	23.3	23.3	23.5	23.5	23.7	24.2	24.2	24.2	24.6	24.6	24.9	24.9	25.2	25.4
≥ 20000	25.1	25.7	25.8	25.8	26.0	26.0	26.2	26.8	26.8	26.8	27.2	27.2	27.5	27.5	27.7	28.0
IV ≥ 18000	25.9	26.6	26.7	26.7	26.9	26.9	27.1	27.6	27.6	27.6	28.1	28.1	28.4	28.4	28.6	28.8
IV ≥ 16000	26.1	26.7	26.8	26.8	27.0	27.0	27.2	27.7	27.7	27.7	28.2	28.2	28.5	28.5	28.7	28.9
IV ≥ 14000	27.0	27.6	27.7	27.7	28.0	28.0	28.2	28.7	28.7	28.7	29.2	29.2	29.7	29.7	29.9	30.1
IV ≥ 12000	29.2	29.9	30.0	30.0	30.2	30.2	30.4	31.0	31.0	31.0	31.5	31.5	31.9	31.9	32.2	32.4
IV ≥ 10000	31.3	31.9	32.0	32.0	32.3	32.3	32.5	33.0	33.0	33.0	33.5	33.5	34.0	34.0	34.2	34.4
IV ≥ 9000	32.8	33.4	33.5	33.5	33.8	33.8	34.0	34.5	34.5	34.5	35.1	35.1	35.5	35.5	35.8	36.0
IV ≥ 8000	34.7	35.8	35.9	36.0	36.2	36.2	36.5	37.0	37.0	37.0	37.6	37.6	38.1	38.1	38.5	38.7
IV ≥ 7000	37.0	38.2	38.3	38.4	38.6	38.6	38.8	39.4	39.4	39.4	40.0	40.0	40.4	40.4	40.9	41.1
IV ≥ 6000	38.7	39.9	40.0	40.1	40.3	40.3	40.5	41.1	41.1	41.1	41.7	41.7	42.2	42.2	42.6	42.8
IV ≥ 5000	40.9	42.7	42.8	42.9	43.1	43.1	43.3	43.9	43.9	43.9	44.5	44.5	44.9	44.9	45.4	45.6
IV ≥ 4500	41.6	44.2	44.3	44.4	44.6	44.6	44.8	45.4	45.4	45.4	46.0	46.0	46.5	46.5	46.9	47.1
IV ≥ 4000	44.1	47.0	47.2	47.3	47.6	47.6	47.8	48.5	48.5	48.5	49.1	49.1	49.6	49.6	50.0	50.2
IV ≥ 3500	45.6	48.5	48.8	48.9	49.4	49.4	49.6	50.2	50.2	50.2	50.9	50.9	51.3	51.3	51.7	51.9
IV ≥ 3000	47.3	50.9	51.7	51.8	52.5	52.5	52.8	53.4	53.4	53.4	54.1	54.1	54.5	54.5	54.9	55.2
IV ≥ 2500	48.6	52.7	53.9	54.0	54.6	54.6	55.1	55.8	55.8	55.8	56.6	56.6	57.0	57.0	57.4	57.6
IV ≥ 2000	49.4	53.4	54.7	54.8	55.6	55.6	56.0	56.8	56.8	56.8	57.6	57.6	58.1	58.1	58.5	58.7
IV ≥ 1800	49.5	53.5	54.8	55.1	55.9	55.9	56.3	57.1	57.1	57.2	58.0	58.0	58.4	58.4	58.8	59.0
IV ≥ 1500	49.8	53.9	55.2	55.5	56.3	56.3	56.9	57.6	57.6	57.8	58.7	58.7	59.1	59.1	59.6	59.8
IV ≥ 1200	50.5	55.2	56.6	56.9	57.8	58.2	58.7	59.5	59.6	59.9	60.8	60.8	61.2	61.2	61.6	61.8
IV ≥ 1000	51.1	56.3	57.8	58.3	59.4	59.7	60.5	61.7	61.8	62.5	63.3	63.3	63.8	63.8	64.2	64.4
IV ≥ 900	51.6	57.0	58.5	59.0	60.2	60.5	61.4	62.6	62.7	63.4	64.3	64.3	64.7	64.7	65.2	65.4
IV ≥ 800	52.0	57.8	59.4	60.1	61.4	61.8	62.7	64.1	64.2	65.2	66.0	66.0	66.5	66.5	66.9	67.1
IV ≥ 700	52.6	58.8	60.3	61.2	62.7	63.1	64.0	65.4	65.6	66.7	67.5	67.5	68.0	68.0	68.4	68.6
IV ≥ 600	52.9	59.6	61.1	61.9	63.8	64.2	65.4	67.1	67.5	68.8	69.8	69.8	70.4	70.4	70.9	71.2
IV ≥ 500	53.7	61.3	62.8	63.8	65.8	66.3	67.8	69.8	70.8	72.8	74.1	74.1	74.9	74.9	75.5	75.9
IV ≥ 400	54.0	62.2	64.2	65.3	68.1	68.8	70.3	72.9	74.1	76.6	78.3	78.4	80.3	80.3	81.4	82.0
IV ≥ 300	54.1	62.7	64.8	66.0	69.7	70.4	72.3	75.4	77.4	81.2	83.7	83.8	86.3	87.2	89.2	90.8
IV ≥ 200	54.2	62.7	65.1	66.2	70.0	70.9	73.0	76.5	78.7	83.1	85.7	86.0	89.4	90.6	94.0	97.6
IV ≥ 100	54.2	62.7	65.1	66.2	70.0	70.9	73.0	76.5	78.7	83.1	85.7	86.0	89.7	91.0	94.8	99.9
IV ≥ 0	54.2	62.7	65.1	66.2	70.0	70.9	73.0	76.5	78.7	83.1	85.7	86.0	89.7	91.0	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14
STATION

FAIRCHILD AFB WA

STATION NAME

77-79

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ .	≥ 0
NO CEILING	22.3	22.9	23.1	23.3	23.9	23.9	24.2	24.6	24.7	25.2	25.5	25.5	25.7	25.7	25.9	26.3
≥ 20000	25.4	26.0	26.5	26.8	27.4	27.4	27.7	28.2	28.3	28.7	29.0	29.0	29.2	29.4	29.6	30.0
≥ 18000	26.1	26.8	27.2	27.5	28.2	28.2	28.5	28.9	29.0	29.7	30.0	30.0	30.2	30.3	30.5	31.0
≥ 16000	26.3	27.1	27.5	27.8	28.5	28.5	28.8	29.2	29.4	30.0	30.3	30.3	30.5	30.6	30.9	31.3
≥ 14000	27.1	27.8	28.3	28.6	29.2	29.2	29.7	30.1	30.2	30.9	31.2	31.2	31.4	31.5	31.8	32.5
≥ 12000	29.5	30.3	30.9	31.2	31.9	31.9	32.4	32.8	32.9	33.5	33.9	33.9	34.1	34.2	34.5	35.2
≥ 10000	31.8	32.8	33.3	33.7	34.6	34.6	35.1	35.5	35.6	36.2	36.6	36.6	36.9	37.0	37.3	38.0
≥ 9000	32.6	33.7	34.3	34.6	35.6	35.6	36.2	36.5	36.6	37.2	37.5	37.5	37.8	38.0	38.3	38.9
≥ 8000	34.2	35.3	36.2	36.7	37.6	37.6	38.1	38.5	38.6	39.4	39.7	39.7	40.0	40.1	40.4	41.1
≥ 7000	36.0	37.2	38.2	38.6	39.7	39.7	40.1	40.6	40.8	41.5	41.8	41.8	42.2	42.3	42.6	43.2
≥ 6000	36.9	38.3	39.4	39.8	41.0	41.0	41.4	41.9	42.0	42.8	43.1	43.1	43.4	43.5	43.9	44.5
≥ 5000	39.7	41.2	42.3	42.7	44.0	44.0	44.4	44.9	45.1	45.8	46.1	46.1	46.5	46.6	47.0	47.6
≥ 4500	40.0	41.6	42.9	43.3	44.6	44.6	45.1	45.6	45.7	46.5	46.8	46.8	47.1	47.2	47.6	48.3
≥ 4000	42.2	44.4	45.6	46.2	47.6	47.6	48.1	48.7	48.8	49.6	49.9	49.9	50.2	50.3	50.8	51.4
≥ 3500	42.5	44.9	46.6	47.1	48.6	48.6	49.0	49.7	49.8	50.5	50.9	50.9	51.2	51.3	51.7	52.4
≥ 3000	44.4	47.2	49.1	50.0	52.2	52.3	52.7	53.3	53.4	54.2	54.5	54.5	54.8	54.9	55.4	56.0
≥ 2500	45.6	48.9	51.2	52.0	54.5	54.6	55.1	55.7	55.8	56.6	56.9	56.9	57.2	57.3	57.7	58.4
≥ 2000	46.6	50.1	52.5	53.3	56.3	56.5	57.0	57.6	57.7	58.5	58.9	58.9	59.2	59.4	59.8	60.4
≥ 1800	46.7	50.2	52.6	53.4	56.5	56.6	57.2	57.8	58.1	58.8	59.2	59.2	59.5	59.7	60.1	60.8
≥ 1500	47.3	50.9	53.2	54.2	57.4	57.5	58.4	59.0	59.4	60.1	60.6	60.6	61.0	61.1	61.5	62.2
≥ 1200	47.8	52.3	54.9	56.1	59.8	59.9	60.9	61.5	62.2	62.9	63.4	63.4	63.8	63.9	64.3	64.9
≥ 1000	48.2	53.1	56.0	57.2	61.4	61.5	62.7	63.7	64.4	65.7	66.3	66.3	66.7	66.8	67.2	67.8
≥ 900	48.5	53.7	56.8	58.0	62.5	62.6	64.0	64.9	65.7	67.0	67.6	67.6	68.0	68.1	68.5	69.1
≥ 800	49.2	54.4	57.7	58.9	63.5	63.7	65.3	66.5	67.2	68.7	69.5	69.5	69.8	70.0	70.4	71.1
≥ 700	49.4	55.2	58.6	59.8	64.8	65.1	66.7	68.0	68.7	70.5	71.4	71.4	71.8	72.2	72.5	73.2
≥ 600	50.3	56.3	60.1	61.5	66.9	67.1	68.9	70.3	71.2	73.2	74.2	74.2	74.7	75.1	75.5	76.1
≥ 500	51.1	58.1	62.3	63.8	70.1	70.4	72.5	74.0	75.2	77.4	79.1	79.2	80.1	80.4	81.0	81.7
≥ 400	51.5	58.8	63.3	64.8	71.5	71.9	74.8	76.8	78.1	81.3	83.5	83.9	85.2	85.7	87.7	88.0
≥ 300	51.5	59.1	63.8	65.4	72.5	72.9	76.1	78.5	80.3	84.1	87.3	87.6	89.7	90.5	93.1	94.5
≥ 200	51.5	59.1	63.8	65.4	72.5	72.9	76.3	79.1	81.0	85.1	88.6	88.9	91.3	92.4	95.9	98.4
≥ 100	51.5	59.1	63.8	65.4	72.5	72.9	76.3	79.1	81.0	85.1	88.7	89.0	91.5	92.6	96.3	100.0
≥ 0	51.5	59.1	63.8	65.4	72.5	72.9	76.3	79.1	81.0	85.1	88.7	89.0	91.5	92.6	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24.14
STATION

FAIRCHILD AFB WA

STATION NAME

78-79

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	24.7	24.6	24.8	24.9	25.5	25.6	25.6	25.6	25.6	25.7	25.8	25.8	26.0	26.0	26.1	26.1
≥ 20000	26.9	28.7	28.3	28.5	29.1	29.2	29.4	29.4	29.4	29.6	29.7	29.7	30.0	30.1	30.2	30.2
≥ 18000	28.1	29.4	29.7	29.9	30.5	30.6	30.8	30.8	30.8	31.0	31.1	31.1	31.4	31.5	31.6	31.6
≥ 16000	28.4	29.7	30.3	30.2	30.9	31.0	31.1	31.1	31.1	31.3	31.4	31.4	31.7	31.8	31.9	31.9
≥ 14000	29.8	31.2	31.5	31.7	32.4	32.5	32.6	32.6	32.6	32.8	32.9	32.9	33.2	33.3	33.4	33.4
≥ 12000	33.3	34.7	35.1	35.3	35.9	36.0	36.1	36.1	36.1	36.3	36.5	36.5	36.8	36.9	37.0	37.0
≥ 10000	36.8	38.4	38.9	39.4	40.1	40.2	40.3	40.3	40.3	40.5	40.6	40.6	41.0	41.1	41.2	41.2
≥ 9000	38.1	39.9	40.4	40.9	41.6	41.7	41.8	41.8	41.8	42.0	42.2	42.2	42.5	42.6	42.7	42.7
≥ 8000	39.7	41.8	42.4	43.1	43.9	44.0	44.1	44.1	44.1	44.3	44.4	44.4	44.7	44.8	44.9	44.9
≥ 7000	42.4	45.1	45.9	46.7	47.4	47.5	47.6	47.6	47.6	47.8	48.0	48.0	48.3	48.4	48.5	48.5
≥ 6000	44.4	47.4	48.3	49.0	49.8	49.9	50.1	50.1	50.1	50.3	50.4	50.4	50.8	50.9	51.0	51.0
≥ 5000	46.0	49.7	49.9	50.6	51.4	51.5	51.7	51.7	51.7	51.9	52.0	52.0	52.4	52.5	52.6	52.6
≥ 4500	46.2	49.5	50.3	51.2	51.9	52.0	52.3	52.3	52.3	52.5	52.6	52.6	52.9	53.0	53.1	53.1
≥ 4000	48.1	51.8	52.7	53.5	54.4	54.5	54.7	54.7	54.7	54.9	55.1	55.1	55.4	55.5	55.6	55.6
≥ 3500	48.8	52.9	54.0	55.1	56.3	56.6	56.8	56.9	56.9	57.1	57.2	57.2	57.5	57.6	57.7	57.7
≥ 3000	49.5	53.7	54.9	56.0	57.7	58.1	58.4	58.5	58.5	58.8	58.9	58.9	59.2	59.4	59.5	59.5
≥ 2500	50.4	55.2	56.9	58.1	59.9	60.2	60.5	60.6	60.6	61.0	61.1	61.1	61.4	61.5	61.6	61.6
≥ 2000	51.1	56.2	58.1	59.6	62.0	62.4	62.9	63.2	63.2	63.5	63.7	63.7	64.0	64.1	64.2	64.2
≥ 1800	51.4	56.6	58.4	60.2	62.7	63.0	63.5	63.9	64.0	64.3	64.4	64.4	64.7	64.8	64.9	64.9
≥ 1500	51.8	57.2	59.1	60.9	63.5	63.9	64.5	65.1	65.4	66.1	66.2	66.2	66.6	66.7	66.8	66.8
≥ 1200	53.4	59.2	61.2	63.0	66.2	66.6	67.2	67.7	68.1	68.8	68.9	69.0	69.4	69.5	69.6	69.6
≥ 1000	54.3	60.4	63.0	64.9	68.3	68.6	69.5	70.0	70.3	71.4	71.6	71.7	72.0	72.2	72.3	72.3
≥ 900	54.6	61.2	63.8	65.7	69.6	69.9	70.8	71.3	71.6	72.7	72.9	73.0	73.3	73.4	73.5	73.5
≥ 800	55.3	61.8	64.4	66.3	70.4	70.8	71.8	72.8	73.1	74.4	74.6	74.7	75.1	75.2	75.3	75.3
≥ 700	55.7	62.6	65.3	67.5	72.5	72.9	74.1	75.3	76.0	77.3	77.6	77.7	78.1	78.2	78.3	78.3
≥ 600	56.3	63.7	66.7	69.4	74.5	74.9	76.2	77.5	78.4	80.0	80.4	80.5	81.0	81.1	81.2	81.2
≥ 500	56.5	64.1	67.7	70.5	76.9	77.3	78.7	80.1	81.5	83.5	84.1	84.2	84.9	85.1	85.3	85.3
≥ 400	57.0	64.6	68.5	71.7	78.8	79.6	81.3	83.4	85.2	87.7	88.8	88.9	90.1	90.3	90.9	90.9
≥ 300	57.0	64.7	68.7	72.0	79.7	80.5	82.5	85.2	87.0	89.9	91.7	91.8	93.9	94.4	95.9	96.2
≥ 200	57.0	64.7	68.7	72.0	79.7	80.6	82.6	85.4	87.2	90.5	92.7	92.8	95.2	96.1	98.3	98.9
≥ 100	57.0	64.7	68.7	72.0	79.7	80.6	82.6	85.4	87.2	90.5	92.7	92.8	95.2	96.1	98.7	100.0
≥ 0	57.0	64.7	68.7	72.0	79.7	80.6	82.6	85.4	87.2	90.5	92.7	92.8	95.2	96.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION FAIRCHILD AFB WA

73-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .25	≥ .20
NO CEILING	24.7	25.7	26.3	26.8	27.3	27.3	27.3	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.5	27.7
≥ 20000	33.1	31.1	31.9	32.6	33.2	33.2	33.2	33.3	33.3	33.3	33.4	33.4	33.4	33.4	33.5	33.8
≥ 18000	31.9	31.7	32.8	33.4	34.1	34.1	34.1	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.4	34.6
≥ 16000	31.1	32.2	33.1	33.7	34.3	34.3	34.3	34.4	34.4	34.4	34.5	34.5	34.5	34.5	34.6	34.8
≥ 14000	32.3	33.4	34.3	34.9	35.6	35.6	35.6	35.7	35.7	35.7	35.8	35.8	35.8	35.8	35.9	36.1
≥ 12000	35.7	36.9	37.7	38.5	39.1	39.1	39.1	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.6	39.8
≥ 10000	39.8	41.3	42.2	43.1	43.8	43.8	43.9	44.2	44.3	44.4	44.5	44.5	44.5	44.5	44.7	44.9
≥ 9000	40.9	42.4	43.2	44.2	44.8	44.8	44.9	45.3	45.4	45.5	45.6	45.6	45.6	45.6	45.8	46.0
≥ 8000	43.9	45.9	46.8	47.7	48.5	48.5	48.6	48.9	49.3	49.1	49.2	49.2	49.2	49.2	49.5	49.7
≥ 7000	46.5	46.7	49.7	50.6	51.5	51.5	51.6	51.9	52.3	52.2	52.3	52.3	52.3	52.3	52.5	52.9
≥ 6000	47.0	50.3	51.3	52.3	53.1	53.1	53.2	53.5	53.7	53.8	53.9	53.9	53.9	53.9	54.1	54.5
≥ 5000	51.1	53.4	54.4	55.4	56.2	56.2	56.3	56.7	56.8	56.9	57.0	57.0	57.0	57.0	57.2	57.6
≥ 4500	51.9	54.4	55.6	56.6	57.5	57.5	57.6	58.1	58.2	58.3	58.4	58.4	58.4	58.4	58.6	59.0
≥ 4000	53.9	57.0	58.3	59.5	60.4	60.5	60.6	61.1	61.2	61.3	61.4	61.4	61.4	61.4	61.6	62.0
≥ 3500	54.5	57.6	59.1	60.3	61.4	61.5	61.6	62.0	62.2	62.3	62.4	62.4	62.4	62.4	62.6	63.0
≥ 3000	55.4	58.7	60.3	61.6	62.7	62.9	63.0	63.4	63.5	63.7	63.8	63.8	63.8	63.8	64.0	64.4
≥ 2500	56.5	59.9	61.5	62.8	64.1	64.3	64.4	64.8	64.9	65.1	65.2	65.2	65.2	65.2	65.4	65.8
≥ 2000	57.7	61.3	63.2	64.6	66.2	66.6	66.7	67.1	67.2	67.3	67.4	67.4	67.4	67.4	67.6	68.1
≥ 1800	57.7	61.4	63.3	64.7	66.6	66.9	67.0	67.4	67.5	67.6	67.7	67.7	67.7	67.7	68.0	68.4
≥ 1500	58.5	62.7	64.9	66.5	68.6	69.0	69.2	69.7	69.9	70.2	70.4	70.4	70.4	70.4	70.6	71.1
≥ 1200	59.4	64.5	66.8	68.2	70.9	71.4	71.7	72.4	72.6	73.0	73.2	73.2	73.2	73.2	73.4	73.9
≥ 1000	59.8	65.3	67.7	69.5	73.0	73.5	73.9	74.5	74.8	75.6	76.0	76.0	76.0	76.0	76.2	76.7
≥ 900	60.1	65.9	68.5	70.4	74.4	74.9	75.3	75.9	76.2	77.1	77.5	77.5	77.5	77.5	77.7	78.2
≥ 800	60.4	66.7	69.5	71.5	75.9	76.6	77.2	78.1	78.3	79.5	79.9	79.9	79.9	80.0	80.2	80.6
≥ 700	60.5	67.2	70.8	72.8	77.6	78.4	79.5	80.3	80.8	81.9	82.4	82.4	82.4	82.5	82.7	83.1
≥ 600	60.5	67.6	71.5	73.7	78.6	79.4	80.5	81.6	82.0	83.3	84.0	84.0	84.0	84.1	84.3	84.7
≥ 500	60.6	67.7	71.8	74.1	80.1	80.9	82.2	83.7	84.3	85.8	86.7	86.7	86.9	86.9	87.3	87.7
≥ 400	61.0	68.1	72.2	74.8	81.3	82.0	83.3	84.9	85.7	87.8	89.5	89.5	89.7	89.8	90.2	90.6
≥ 300	61.3	68.2	72.3	75.3	81.9	82.8	84.5	86.3	87.2	90.9	93.2	93.2	94.1	94.2	94.8	95.3
≥ 200	61.0	68.3	72.4	75.4	82.3	83.1	84.8	86.9	87.8	91.7	94.3	94.4	95.9	96.0	97.6	98.8
≥ 100	61.0	68.4	72.5	75.5	82.4	83.2	84.9	87.0	88.1	91.9	94.5	94.6	96.2	96.5	98.2	100.0
≥ 0	61.0	68.4	72.5	75.5	82.4	83.2	84.9	87.0	88.1	91.9	94.5	94.6	96.2	96.5	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AFD WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION FAIRCHILD AFB WA

70-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING -FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥.05
NO CEILING	28.1	26.3	29.2	29.8	30.1	30.3	30.3	30.3	30.4	31.5	30.9	31.0	31.1	31.1	31.4	31.4
≥ 20000	30.5	31.5	31.8	32.6	33.1	33.3	33.3	33.3	33.4	33.5	33.9	34.0	34.1	34.1	34.4	34.4
≥ 18000	31.8	32.9	33.2	34.1	34.5	34.7	34.7	34.7	34.8	34.9	35.3	35.4	35.5	35.5	35.8	35.8
≥ 16000	32.2	33.2	33.5	34.3	34.8	35.1	35.1	35.1	35.2	35.3	35.6	35.7	35.8	35.8	36.1	36.1
≥ 14000	33.9	35.3	35.6	36.3	36.9	37.1	37.1	37.1	37.2	37.3	37.6	37.7	38.1	38.1	38.4	38.4
≥ 12000	36.1	37.7	38.1	38.8	39.6	39.8	39.8	39.8	39.9	40.0	40.3	40.4	40.8	40.8	41.1	41.1
≥ 10000	39.2	41.1	41.3	42.2	42.9	43.1	43.1	43.1	43.2	43.3	43.7	43.8	44.1	44.1	44.4	44.4
≥ 9000	40.2	42.0	42.4	43.2	44.0	44.2	44.2	44.2	44.3	44.4	44.7	44.8	45.2	45.2	45.5	45.5
≥ 8000	44.1	45.1	45.6	47.4	48.2	48.4	48.5	48.5	48.6	48.7	49.1	49.1	49.5	49.5	49.8	49.8
≥ 7000	47.5	49.7	50.1	51.0	51.7	51.9	52.1	52.1	52.2	52.3	52.7	52.8	53.1	53.1	53.4	53.7
≥ 6000	48.7	51.1	51.5	52.4	53.1	53.3	53.4	53.4	53.5	53.7	54.1	54.2	54.5	54.5	54.8	55.1
≥ 5000	52.2	54.5	55.1	55.9	56.7	56.9	57.0	57.0	57.1	57.2	57.6	57.7	58.1	58.1	58.4	58.6
≥ 4500	52.9	55.4	55.9	56.8	57.5	57.7	57.8	57.8	58.0	58.1	58.5	58.6	58.9	58.9	59.2	59.5
≥ 4000	54.6	57.4	58.2	59.0	59.8	60.0	60.1	60.1	60.2	60.3	60.8	60.9	61.2	61.2	61.5	61.7
≥ 3500	55.3	58.9	59.7	60.5	61.3	61.5	61.6	61.6	61.7	61.8	62.3	62.4	62.7	62.7	63.0	63.2
≥ 3000	56.6	60.1	60.9	61.7	62.6	62.9	63.0	63.0	63.1	63.2	63.7	63.8	64.1	64.1	64.4	64.6
≥ 2500	57.5	61.2	62.1	63.0	63.9	64.2	64.3	64.3	64.4	64.5	64.9	65.1	65.4	65.4	65.7	65.9
≥ 2000	58.6	62.5	63.3	64.3	65.4	65.7	65.8	65.8	65.9	66.0	66.5	66.6	66.9	66.9	67.2	67.4
≥ 1800	59.5	62.5	63.4	64.4	65.5	65.8	65.9	65.9	66.0	66.1	66.6	66.7	67.0	67.0	67.3	67.5
≥ 1500	59.2	63.3	64.4	65.4	66.5	66.8	67.0	67.0	67.1	67.2	67.6	67.7	68.1	68.1	68.4	68.6
≥ 1200	60.4	65.1	66.1	67.1	68.3	68.7	68.9	68.9	69.0	69.1	69.7	69.8	70.1	70.1	70.4	70.6
≥ 1000	61.2	66.2	67.6	68.6	69.8	70.3	70.5	70.5	70.6	70.9	71.3	71.5	71.6	71.9	72.3	72.5
≥ 900	61.7	67.3	68.3	70.2	71.7	72.2	72.8	72.9	73.0	73.2	73.8	73.9	74.2	74.2	74.5	74.7
≥ 800	62.2	68.3	70.2	71.7	73.4	74.0	74.6	74.8	75.1	75.3	76.1	76.2	76.5	76.6	76.9	77.1
≥ 700	62.2	68.7	70.8	72.9	74.3	74.8	75.6	75.9	76.1	76.5	77.3	77.4	77.7	77.7	78.1	78.3
≥ 600	63.1	70.2	72.5	74.3	76.6	77.3	78.2	78.5	78.7	79.5	80.3	80.4	80.8	80.8	81.1	81.3
≥ 500	63.1	70.8	73.0	74.8	78.0	78.5	79.7	80.2	80.9	82.6	83.4	83.5	84.0	84.0	84.4	84.6
≥ 400	63.1	70.9	73.3	75.4	78.7	79.2	80.6	82.3	83.3	85.6	86.9	87.1	87.5	87.5	88.0	88.2
≥ 300	63.1	71.4	74.3	75.0	79.7	80.3	82.2	84.1	85.2	89.1	91.2	91.4	92.2	92.6	94.2	94.6
≥ 200	63.1	71.5	74.1	76.1	80.1	80.3	82.6	84.8	86.2	90.3	92.4	92.7	93.7	94.5	97.6	99.1
≥ 100	63.1	71.5	74.1	76.1	80.1	80.3	82.6	84.8	86.2	90.3	92.4	92.7	93.7	94.5	97.7	100.0
≥ 0	63.1	71.5	74.1	76.1	80.1	80.3	82.6	84.8	86.2	90.3	92.4	92.7	93.7	94.5	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

0-14
STATION

FAIRCHILD AFB WA

STATION NAME

70-79

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	27.6	28.1	28.3	28.4	28.7	28.8	29.1	29.2	29.2	29.5	30.0	30.0	30.6	30.6	31.3	31.6
≥ 20000	28.7	29.1	29.5	29.6	29.9	30.0	30.3	30.4	30.4	30.6	31.2	31.2	31.8	31.8	32.5	32.8
≥ 18000	28.9	29.4	29.7	29.8	30.1	30.2	30.5	30.6	30.6	30.9	31.4	31.4	32.0	32.0	32.7	33.0
≥ 16000	28.9	29.4	29.7	29.8	30.1	30.2	30.5	30.6	30.6	30.9	31.4	31.4	32.0	32.0	32.7	33.0
≥ 14000	31.7	32.2	32.5	32.6	32.9	33.0	33.4	33.5	33.5	33.8	34.4	34.4	35.2	35.2	35.8	36.1
≥ 12000	33.9	34.3	34.6	34.7	35.1	35.2	35.6	35.7	35.7	35.9	36.6	36.6	37.4	37.4	38.1	38.4
≥ 10000	36.7	37.3	37.7	37.8	38.2	38.3	38.7	38.8	38.8	39.0	39.7	39.7	40.5	40.5	41.2	41.5
≥ 9000	38.5	39.1	39.6	39.7	40.0	40.1	40.5	40.6	40.6	40.9	41.5	41.5	42.4	42.4	43.0	43.3
≥ 8000	41.8	42.5	42.9	43.0	43.3	43.4	43.9	44.0	44.0	44.2	44.8	44.8	45.7	45.7	46.3	46.7
≥ 7000	45.2	46.2	46.7	46.8	47.1	47.2	47.6	47.7	47.7	48.0	48.6	48.6	49.5	49.5	50.1	50.4
≥ 6000	46.7	48.0	48.4	48.5	48.8	48.9	49.4	49.5	49.5	49.7	50.3	50.3	51.2	51.2	51.8	52.2
≥ 5000	49.6	51.7	51.4	51.5	51.8	51.9	52.4	52.5	52.5	52.7	53.3	53.3	54.2	54.2	54.8	55.2
≥ 4500	51.1	52.7	53.1	53.2	53.5	53.7	54.1	54.2	54.2	54.4	55.1	55.1	55.9	55.9	56.6	56.9
≥ 4000	52.3	54.8	55.5	55.6	55.9	56.0	56.5	56.6	56.6	56.8	57.4	57.4	58.3	58.3	58.9	59.2
≥ 3500	53.9	56.0	56.7	56.8	57.1	57.2	57.6	57.7	57.7	58.0	58.6	58.6	59.5	59.5	60.1	60.4
≥ 3000	55.1	57.5	58.4	58.5	58.8	58.9	59.4	59.5	59.5	59.7	60.3	60.3	61.2	61.2	61.8	62.2
≥ 2500	56.3	58.9	59.8	59.9	60.3	60.4	60.9	61.0	61.0	61.2	61.8	61.8	62.7	62.7	63.3	63.7
≥ 2000	56.7	59.4	60.3	60.4	60.9	61.0	61.4	61.5	61.5	61.7	62.4	62.4	63.2	63.2	63.9	64.2
≥ 1800	57.0	59.7	60.6	60.8	61.2	61.3	61.7	61.8	61.8	62.0	62.7	62.7	63.5	63.5	64.2	64.5
≥ 1500	57.6	60.4	61.5	61.6	62.0	62.2	62.9	63.1	63.1	63.5	64.2	64.2	65.1	65.1	65.7	66.0
≥ 1200	58.8	62.7	63.4	63.5	64.1	64.2	64.9	65.2	65.2	65.6	66.2	66.2	67.1	67.1	67.7	68.1
≥ 1000	59.7	63.8	65.3	65.6	66.1	66.2	67.0	67.2	67.3	67.7	68.5	68.5	69.4	69.4	70.0	70.3
≥ 900	59.9	64.1	65.9	66.2	66.9	67.1	68.1	68.4	68.7	69.1	69.9	69.9	70.8	70.8	71.4	71.7
≥ 800	60.5	65.3	67.4	67.8	68.5	68.7	69.8	70.1	70.4	71.0	71.7	71.7	72.6	72.6	73.2	73.5
≥ 700	61.8	66.7	68.8	69.4	70.3	70.5	71.8	72.2	72.5	73.0	73.9	73.9	74.7	74.7	75.4	75.7
≥ 600	62.7	68.0	70.3	71.0	72.3	72.6	74.0	74.4	74.7	75.6	76.5	76.5	77.4	77.4	78.1	78.4
≥ 500	62.8	68.6	71.3	72.4	73.2	74.6	76.2	77.1	77.6	79.1	80.3	80.3	81.4	81.4	82.2	82.6
≥ 400	62.9	68.9	71.6	73.0	73.3	75.7	77.4	78.9	79.5	81.3	83.1	83.3	84.5	84.5	85.3	85.7
≥ 300	63.1	69.9	72.9	75.4	75.4	77.8	79.6	81.7	82.6	84.7	87.6	87.8	89.1	89.1	90.5	92.3
≥ 200	63.1	69.9	72.9	74.0	74.6	78.1	79.8	82.2	83.1	85.8	89.4	89.6	92.6	93.2	96.8	98.5
≥ 100	63.1	69.9	72.9	74.6	77.6	78.1	79.8	82.2	83.1	85.8	89.4	89.6	92.6	93.2	97.4	100.0
≥ 0	63.1	69.9	72.9	74.6	77.6	78.1	79.8	82.2	83.1	85.8	89.4	89.6	92.6	93.2	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

0414
STATION

FAIRCHILD AFB WA
STATION NAME

73-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	25.4	26.5	26.3	26.5	26.9	26.9	27.1	27.2	27.3	27.7	27.7	28.0	28.0	28.4	28.6	
≥ 20000	27.9	28.7	29.5	29.3	29.8	29.8	30.0	30.2	30.2	30.3	30.6	30.7	31.0	31.0	31.4	31.7
≥ 18000	28.7	29.5	29.8	30.1	30.6	30.6	30.8	31.0	31.0	31.2	31.5	31.5	31.8	31.8	32.2	32.5
≥ 16000	29.3	29.8	30.1	30.4	30.9	30.9	31.1	31.3	31.3	31.5	31.8	31.8	32.1	32.2	32.6	32.8
≥ 14000	30.3	31.2	31.6	31.9	32.4	32.4	32.6	32.8	32.8	33.0	33.4	33.4	33.7	33.8	34.2	34.5
≥ 12000	32.9	33.8	34.2	34.5	35.0	35.1	35.3	35.5	35.5	35.7	36.0	36.1	36.4	36.5	36.9	37.2
≥ 10000	35.8	36.9	37.3	37.6	38.2	38.3	38.5	38.7	38.8	39.0	39.3	39.3	39.7	39.7	40.2	40.5
≥ 9000	37.0	38.2	38.6	39.0	39.6	39.6	39.8	40.0	40.1	40.3	40.6	40.6	41.0	41.1	41.5	41.8
≥ 8000	39.6	41.0	41.5	41.9	42.5	42.6	42.8	43.0	43.1	43.3	43.6	43.6	44.0	44.1	44.5	44.8
≥ 7000	42.3	43.9	44.4	44.9	45.5	45.6	45.8	46.0	46.1	46.3	46.7	46.7	47.1	47.1	47.6	47.9
≥ 6000	43.8	45.6	46.2	46.6	47.2	47.3	47.6	47.8	47.8	48.1	48.4	48.4	48.8	48.9	49.3	49.7
≥ 5000	46.6	48.5	49.1	49.5	50.2	50.3	50.5	50.8	50.8	51.0	51.4	51.4	51.8	51.8	52.3	52.7
≥ 4500	47.4	49.7	50.2	50.7	51.4	51.5	51.7	51.9	52.0	52.2	52.6	52.6	53.0	53.0	53.5	53.9
≥ 4000	49.4	52.0	52.7	53.2	53.9	54.0	54.3	54.5	54.6	54.8	55.2	55.2	55.6	55.6	56.1	56.4
≥ 3500	51.1	52.9	53.7	54.3	55.1	55.2	55.5	55.7	55.8	56.0	56.4	56.4	56.8	56.8	57.3	57.6
≥ 3000	51.5	54.5	55.5	56.1	57.2	57.3	57.6	57.8	57.9	58.2	58.5	58.5	58.9	59.0	59.4	59.8
≥ 2500	52.6	56.0	57.3	57.9	59.0	59.2	59.5	59.8	59.8	60.1	60.4	60.5	60.9	60.9	61.4	61.7
≥ 2000	53.5	57.1	58.4	59.1	60.5	60.6	61.0	61.3	61.4	61.7	62.1	62.1	62.5	62.5	63.0	63.4
≥ 1800	53.6	57.3	58.6	59.4	60.8	60.9	61.4	61.7	61.8	62.1	62.5	62.5	62.9	62.9	63.4	63.8
≥ 1500	54.1	58.0	59.4	60.2	61.7	61.9	62.4	62.9	63.1	63.5	64.0	64.0	64.4	64.4	64.9	65.2
≥ 1200	55.1	59.5	61.0	61.9	63.7	63.9	64.6	65.1	65.3	65.8	66.2	66.3	66.7	66.7	67.2	67.5
≥ 1000	55.7	60.7	62.4	63.5	65.5	65.8	66.6	67.3	67.6	68.2	68.7	68.8	69.2	69.2	69.7	70.0
≥ 900	56.2	61.5	63.3	64.6	66.9	67.2	68.0	68.7	69.1	69.8	70.3	70.3	70.7	70.8	71.2	71.6
≥ 800	56.8	62.4	64.4	65.7	68.2	68.5	69.5	70.3	70.7	71.6	72.1	72.2	72.6	72.6	73.1	73.4
≥ 700	57.2	63.2	65.3	66.7	69.5	69.8	70.9	71.9	72.4	73.3	74.0	74.1	74.5	74.6	75.0	75.4
≥ 600	57.9	64.3	66.6	68.1	71.2	71.6	72.8	74.0	74.6	75.8	76.6	76.6	77.2	77.3	77.8	78.1
≥ 500	58.3	65.1	67.7	69.3	73.1	73.5	75.0	76.4	77.4	79.1	80.1	80.2	80.9	81.0	81.6	82.0
≥ 400	58.6	65.8	68.5	70.4	74.6	75.1	76.8	78.7	79.9	82.0	83.5	83.7	84.7	84.8	85.7	86.2
≥ 300	58.7	66.3	69.1	71.2	75.9	76.5	78.5	80.9	82.5	85.6	87.9	88.1	89.8	90.3	92.1	93.2
≥ 200	58.7	66.3	69.2	71.3	76.1	76.7	78.9	81.5	83.2	86.6	89.4	89.6	92.0	92.9	95.9	98.2
≥ 100	58.7	66.3	69.2	71.3	76.1	76.7	78.9	81.6	83.3	86.7	89.5	89.8	92.2	93.1	96.6	100.0
≥ 0	58.7	66.3	69.2	71.3	76.1	76.7	78.9	81.6	83.3	86.7	89.5	89.8	92.2	93.1	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	36.1	36.3	36.5	36.6	37.4	37.4	37.5	37.5	37.6	38.2	38.3	38.3	38.7	38.7	38.8	38.9
≥ 20000	37.8	38.2	38.5	38.5	39.2	39.2	39.4	39.4	39.5	40.1	40.2	40.2	40.5	40.5	40.7	40.8
≥ 18000	38.1	38.4	38.8	38.8	39.5	39.5	39.6	39.6	39.7	40.3	40.4	40.4	40.8	40.8	40.9	41.0
≥ 16000	38.3	38.7	39.1	39.0	39.7	39.7	39.8	39.8	40.0	40.5	40.7	40.7	41.0	41.0	41.1	41.3
≥ 14000	39.6	40.1	40.4	40.4	41.1	41.1	41.3	41.3	41.4	42.0	42.1	42.1	42.4	42.4	42.6	42.7
≥ 12000	42.8	43.3	43.6	43.6	44.3	44.3	44.4	44.6	44.7	45.3	45.4	45.4	45.9	45.9	46.0	46.2
≥ 10000	45.3	45.7	46.1	46.1	46.8	46.8	46.9	47.0	47.2	47.8	47.9	47.9	48.5	48.5	48.7	48.9
≥ 9000	46.7	47.4	47.8	47.8	48.5	48.5	48.6	48.7	48.8	49.4	49.5	49.5	50.1	50.1	50.4	50.6
≥ 8000	49.6	50.5	50.8	50.8	51.5	51.5	51.7	51.8	51.9	52.5	52.6	52.6	53.2	53.2	53.4	53.7
≥ 7000	53.4	54.3	54.6	54.6	55.4	55.4	55.6	55.7	55.8	56.4	56.5	56.5	57.2	57.2	57.4	57.7
≥ 6000	56.1	56.9	57.2	57.2	58.0	58.0	58.2	58.3	58.4	59.0	59.1	59.1	59.8	59.8	60.0	60.3
≥ 5000	59.0	60.2	60.4	60.4	61.2	61.6	61.7	61.8	61.9	62.5	62.6	62.6	63.4	63.4	63.6	63.8
≥ 4500	59.9	61.1	61.3	61.3	62.2	62.5	62.6	62.8	62.9	63.5	63.6	63.6	64.3	64.3	64.5	64.8
≥ 4000	61.3	62.4	62.9	62.9	63.7	64.1	64.2	64.3	64.4	65.0	65.1	65.1	65.8	65.8	66.1	66.3
≥ 3500	63.1	64.3	64.8	64.8	65.6	66.0	66.1	66.2	66.3	66.9	67.0	67.0	67.7	67.7	68.0	68.2
≥ 3000	64.2	65.5	66.1	66.1	67.3	67.6	67.7	67.8	68.0	68.6	68.7	68.7	69.4	69.4	69.6	69.9
≥ 2500	65.2	66.9	67.5	67.6	68.8	69.1	69.4	69.5	69.6	70.2	70.3	70.3	71.0	71.0	71.3	71.5
≥ 2000	66.2	67.9	68.4	68.6	69.9	70.2	70.4	70.6	70.7	71.3	71.4	71.4	72.1	72.1	72.3	72.6
≥ 1800	66.7	68.3	68.9	69.0	70.3	70.7	70.9	71.0	71.2	71.7	71.9	71.9	72.6	72.6	72.8	73.0
≥ 1500	67.3	69.1	69.9	70.0	71.5	72.0	72.2	72.3	72.5	73.0	73.2	73.2	73.9	73.9	74.1	74.3
≥ 1200	67.5	69.4	70.1	70.2	71.9	72.3	72.7	72.8	72.9	73.6	73.8	73.8	74.6	74.6	74.8	75.1
≥ 1000	68.0	70.2	70.9	71.0	73.4	73.9	74.3	74.6	74.7	75.4	75.5	75.5	76.4	76.4	76.6	77.0
≥ 900	68.7	71.0	71.7	71.9	74.2	74.7	75.3	75.5	75.7	76.4	76.5	76.5	77.3	77.3	77.5	77.9
≥ 800	69.0	71.6	72.3	72.6	75.3	75.8	76.4	76.6	76.8	77.5	77.7	77.7	78.5	78.5	78.7	79.1
≥ 700	69.1	72.1	72.7	72.9	75.8	76.2	76.8	77.3	77.5	78.3	78.4	78.4	79.2	79.2	79.4	79.8
≥ 600	69.5	72.5	73.4	73.9	77.0	77.5	78.1	78.7	79.0	79.7	79.8	79.8	80.6	80.6	80.9	81.2
≥ 500	69.9	73.4	74.3	74.8	78.4	79.1	80.0	81.0	81.2	82.0	82.3	82.3	83.1	83.2	83.5	83.8
≥ 400	70.0	74.2	75.3	75.8	80.1	81.1	82.3	83.2	83.5	84.9	85.1	85.3	86.2	86.3	86.9	87.2
≥ 300	70.1	75.3	76.6	77.2	82.4	83.6	85.6	87.4	87.9	90.2	90.8	91.0	92.8	93.1	94.1	94.6
≥ 200	70.2	75.5	76.8	77.4	82.7	83.9	86.1	87.9	88.9	91.1	92.2	92.7	94.8	95.3	98.0	99.3
≥ 100	70.2	75.7	77.5	77.5	82.9	84.0	86.2	88.1	88.9	91.3	92.3	92.8	94.9	95.4	98.3	100.0
≥ 0	70.2	75.7	77.5	77.5	82.9	84.0	86.2	88.1	88.9	91.3	92.3	92.8	94.9	95.4	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB
STATION NAME

7J-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING	32.4	32.4	32.4	32.5	33.2	33.5	33.8	34.2	34.2	34.3	34.4	34.4	34.8	35.0	35.1	35.6
≥ 20000	33.7	33.7	33.7	33.8	34.5	34.8	35.1	35.5	35.5	35.7	35.8	35.8	35.3	36.5	36.6	37.1
≥ 18000	34.7	34.7	34.7	34.2	34.9	35.1	35.5	35.9	35.9	36.2	36.3	36.3	36.8	37.0	37.1	37.6
≥ 16000	34.5	34.5	34.6	34.8	35.5	35.8	36.2	36.6	36.6	36.9	37.0	37.0	37.5	37.7	37.8	38.3
≥ 14000	35.0	35.1	35.1	35.2	35.9	36.3	36.6	37.1	37.1	37.4	37.5	37.5	37.9	38.2	38.3	38.8
≥ 12000	37.5	37.5	37.6	37.7	38.4	38.8	39.1	39.7	39.8	40.1	40.2	40.2	40.7	40.9	41.0	41.5
≥ 10000	40.0	40.1	40.1	40.2	40.9	41.4	41.7	42.6	42.7	42.9	43.0	43.0	43.6	43.9	44.1	44.6
≥ 9000	40.5	40.5	40.6	40.9	41.6	42.1	42.4	43.3	43.4	43.6	43.7	43.9	44.4	44.7	45.3	45.5
≥ 8000	43.1	43.1	43.4	43.5	44.2	44.7	45.0	45.9	46.0	46.2	46.3	46.5	47.0	47.3	47.6	48.1
≥ 7000	46.7	47.7	47.3	47.5	48.2	48.9	49.3	50.1	50.2	50.5	50.6	50.7	51.3	51.5	51.9	52.4
≥ 6000	49.6	50.0	50.2	50.5	51.2	51.9	52.2	53.1	53.2	53.5	53.7	53.8	54.4	54.6	55.0	55.4
≥ 5000	52.4	53.1	53.2	53.4	54.1	54.8	55.2	56.0	56.1	56.5	56.6	56.7	57.3	57.6	57.9	58.4
≥ 4500	53.4	54.3	54.3	54.5	55.2	55.9	56.3	57.1	57.2	57.6	57.7	57.8	58.4	58.6	59.0	59.5
≥ 4000	54.8	55.7	55.9	56.1	56.9	57.6	57.9	58.7	58.9	59.2	59.3	59.5	60.0	60.3	60.6	61.1
≥ 3500	55.6	56.5	56.7	57.0	57.8	58.5	58.9	59.7	59.8	60.2	60.3	60.4	61.0	61.2	61.6	62.1
≥ 3000	57.9	59.1	59.3	59.6	60.4	61.1	61.5	62.3	62.4	62.8	62.9	63.0	63.6	63.8	64.2	64.7
≥ 2500	59.1	61.0	61.2	61.5	62.4	63.1	63.5	64.3	64.4	64.8	64.9	65.0	65.6	65.8	66.2	66.7
≥ 2000	59.9	61.8	62.1	62.3	63.2	63.9	64.3	65.1	65.2	65.6	65.7	65.8	66.4	66.7	67.0	67.5
≥ 1800	60.0	61.9	62.2	62.4	63.4	64.1	64.4	65.2	65.4	65.7	65.8	66.0	66.5	66.8	67.1	67.6
≥ 1500	61.1	63.4	63.6	63.8	64.8	65.5	65.8	66.7	66.8	67.1	67.3	67.4	68.0	68.2	68.6	69.0
≥ 1200	61.6	63.9	64.2	64.4	65.7	66.4	66.9	67.7	67.8	68.2	68.3	68.4	69.0	69.3	69.6	70.1
≥ 1000	62.1	64.9	65.4	65.7	67.1	67.8	68.7	69.5	69.6	70.0	70.1	70.2	70.8	71.0	71.4	71.9
≥ 900	62.6	65.5	66.7	66.3	67.7	68.4	69.4	70.2	70.3	70.7	70.8	70.9	71.5	71.7	72.1	72.6
≥ 800	63.4	66.4	67.0	67.4	68.8	69.5	70.6	71.4	71.6	72.0	72.1	72.2	72.8	73.0	73.4	73.9
≥ 700	63.7	66.9	67.5	67.8	69.5	70.2	71.4	72.2	72.5	72.9	73.0	73.2	73.8	74.0	74.5	74.9
≥ 600	64.2	67.6	68.3	68.7	70.3	71.0	72.3	73.2	73.4	74.0	74.1	74.2	74.8	75.1	75.5	76.0
≥ 500	65.1	68.9	69.9	70.2	72.1	72.8	74.7	76.5	76.2	77.3	77.4	77.5	78.1	78.4	78.8	79.3
≥ 400	65.7	70.8	72.1	72.6	74.5	75.3	77.3	78.7	79.4	81.2	81.8	81.9	82.6	83.0	83.8	84.4
≥ 300	66.0	71.7	73.3	74.1	76.7	77.5	79.9	81.9	82.7	86.1	87.9	88.1	89.4	90.2	91.4	92.0
≥ 200	66.2	72.2	73.9	74.7	77.4	78.4	80.7	82.9	83.7	87.7	90.7	90.8	92.6	94.0	97.5	99.2
≥ 100	66.3	72.3	74.0	74.8	77.5	78.5	80.9	83.0	83.8	87.9	90.9	91.0	92.8	94.3	97.9	100.0
≥ 0	66.3	72.3	74.0	74.8	77.5	78.5	80.9	83.0	83.8	87.9	90.9	91.0	92.8	94.3	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	25.1	25.3	25.3	25.4	25.5	25.7	25.8	26.1	26.4	26.4	26.5	26.6	27.1	27.3	27.8	27.9
≥ 20000	27.4	27.7	27.7	27.8	28.0	28.1	28.3	28.6	28.8	29.1	29.2	29.3	29.8	30.0	30.5	30.7
≥ 18000	28.1	28.4	28.4	28.5	28.7	28.8	29.0	29.3	29.6	29.8	29.9	30.0	30.5	30.9	31.3	31.6
≥ 16000	28.7	29.1	29.1	29.1	29.3	29.4	29.6	29.9	30.1	30.4	30.5	30.6	31.1	31.4	31.9	32.2
≥ 14000	29.8	30.0	30.0	30.1	30.4	30.5	30.6	31.0	31.2	31.4	31.6	31.7	32.2	32.5	33.0	33.2
≥ 12000	31.9	32.2	32.2	32.3	32.5	32.6	32.7	33.1	33.5	33.7	33.8	33.9	34.4	34.8	35.2	35.5
≥ 10000	35.1	35.3	35.3	35.5	35.8	35.9	36.1	36.4	36.8	37.0	37.2	37.4	37.8	38.2	38.8	39.1
≥ 9000	36.5	36.8	36.8	36.9	37.2	37.4	37.5	37.8	38.2	38.4	38.7	38.8	39.2	39.6	40.2	40.5
≥ 8000	39.4	39.6	39.6	39.7	40.1	40.2	40.3	40.7	41.0	41.3	41.5	41.6	42.1	42.4	43.0	43.4
≥ 7000	44.0	44.2	44.2	44.3	44.8	44.9	45.0	45.4	45.7	46.0	46.2	46.3	46.8	47.2	47.8	48.1
≥ 6000	46.3	46.6	46.6	46.7	47.3	47.4	47.5	47.9	48.2	48.5	48.7	48.8	49.3	49.6	50.2	50.6
≥ 5000	49.5	49.9	50.0	50.1	50.7	50.8	50.9	51.3	51.7	51.9	52.1	52.2	52.7	53.1	53.7	54.0
≥ 4500	50.5	50.8	50.9	51.1	51.8	51.9	52.0	52.4	52.7	53.0	53.2	53.3	53.8	54.1	54.7	55.1
≥ 4000	51.3	51.7	51.9	52.0	52.7	52.8	53.0	53.3	53.7	53.9	54.1	54.3	54.8	55.2	55.8	56.3
≥ 3500	52.4	52.8	53.1	53.2	53.9	54.3	54.1	54.5	54.8	55.1	55.3	55.4	56.0	56.4	57.0	57.6
≥ 3000	53.7	54.5	54.8	55.0	55.7	55.8	56.0	56.4	56.7	57.0	57.2	57.3	57.9	58.3	58.9	59.5
≥ 2500	54.8	56.0	56.5	56.6	57.4	57.6	57.8	58.2	58.5	58.7	59.0	59.1	59.7	60.0	60.6	61.2
≥ 2000	55.6	57.1	57.7	57.8	58.9	59.0	59.3	59.7	60.0	60.3	60.5	60.6	61.2	61.6	62.2	62.8
≥ 1800	55.7	57.2	57.8	57.9	59.0	59.2	59.6	59.9	60.3	60.5	60.8	60.9	61.5	61.8	62.4	63.0
≥ 1500	56.0	57.9	58.6	59.0	60.4	60.6	61.0	61.5	61.8	62.2	62.4	62.5	63.2	63.6	64.2	64.8
≥ 1200	56.3	58.6	59.3	59.7	61.6	61.8	62.3	62.8	63.1	63.6	63.8	63.9	64.7	65.0	65.6	66.2
≥ 1000	57.2	59.8	60.9	61.2	63.1	63.4	63.9	64.4	64.8	65.2	65.5	65.6	66.3	66.7	67.3	67.8
≥ 900	57.6	60.3	61.3	61.7	63.6	63.8	64.4	65.0	65.4	65.8	66.1	66.2	66.9	67.3	67.8	68.4
≥ 800	58.2	61.0	62.2	62.6	64.7	64.9	65.5	66.1	66.4	66.9	67.3	67.5	68.2	68.6	69.1	69.7
≥ 700	59.0	62.3	63.9	64.5	66.8	67.0	67.6	68.3	68.7	69.3	69.6	69.9	70.6	70.9	71.5	72.1
≥ 600	59.8	63.9	65.7	66.3	68.7	68.9	69.6	70.3	70.7	71.3	71.7	72.0	72.9	73.3	73.9	74.5
≥ 500	60.4	65.5	67.6	68.3	71.2	71.5	72.3	73.0	73.4	74.2	74.7	75.1	76.1	76.5	77.2	77.8
≥ 400	61.2	67.1	69.9	70.7	73.9	74.3	75.4	76.5	77.3	78.6	79.7	80.0	81.6	81.9	82.9	83.8
≥ 300	61.2	67.6	70.7	71.5	75.2	75.7	77.2	78.8	79.7	81.8	83.0	83.3	85.7	86.3	88.4	89.8
≥ 200	61.2	67.7	70.8	71.6	75.5	76.2	77.9	79.9	80.7	83.5	85.7	86.2	89.7	90.7	95.3	98.6
≥ 100	61.2	67.7	70.8	71.6	75.7	76.4	78.0	80.0	81.0	83.7	85.9	86.4	90.0	91.0	95.7	99.5
≥ 0	61.2	67.7	70.8	71.6	75.7	76.4	78.0	80.0	81.0	83.7	85.9	86.4	90.0	91.0	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20114
STATION

FAIRCHILD AFB WA
STATION NAME

7-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	24.6	25.1	25.4	25.5	25.9	26.2	26.2	26.5	26.6	26.6	26.6	26.6	26.7	27.0	27.5	28.0
≥ 20000	27.3	27.9	28.3	28.4	28.8	29.2	29.2	29.4	29.6	29.6	29.6	29.6	29.7	29.9	30.5	31.0
≥ 18000	28.6	29.2	29.6	29.7	30.1	30.5	30.5	30.7	30.9	30.9	30.9	30.9	31.0	31.2	31.8	32.3
≥ 16000	28.7	29.3	29.7	29.8	30.3	30.6	30.6	30.9	31.0	31.0	31.0	31.0	31.1	31.3	31.9	32.4
≥ 14000	31.4	32.1	32.4	32.5	33.0	33.3	33.3	33.6	33.7	33.7	33.7	33.7	33.8	34.0	34.6	35.1
≥ 12000	33.6	34.3	34.8	34.9	35.3	35.7	35.7	35.9	36.2	36.2	36.2	36.2	36.3	36.5	37.1	37.6
≥ 10000	35.5	36.3	37.0	37.2	37.8	38.2	38.3	38.5	38.8	38.8	38.8	38.8	38.9	39.1	39.7	40.2
≥ 9000	37.4	38.2	39.9	39.1	39.7	40.1	40.2	40.4	40.7	40.7	40.7	40.7	40.8	41.0	41.6	42.1
≥ 8000	40.4	41.5	42.2	42.4	43.0	43.4	43.5	43.7	44.0	44.0	44.0	44.0	44.1	44.3	44.9	45.4
≥ 7000	44.3	45.4	46.1	46.3	47.0	47.4	47.5	47.9	48.1	48.1	48.1	48.1	48.2	48.5	49.1	49.5
≥ 6000	46.7	48.0	48.7	48.9	49.6	50.0	50.1	50.5	50.7	50.7	50.7	50.7	50.8	51.1	51.7	52.1
≥ 5000	49.1	50.5	51.2	51.4	52.1	52.5	52.6	53.0	53.2	53.2	53.2	53.2	53.3	53.5	54.1	54.6
≥ 4500	51.9	52.4	53.1	53.3	54.0	54.4	54.5	54.8	55.1	55.1	55.1	55.1	55.2	55.4	56.0	56.5
≥ 4000	52.4	54.0	54.9	55.1	55.9	56.3	56.5	56.9	57.1	57.2	57.3	57.3	57.4	57.7	58.3	58.7
≥ 3500	52.8	55.7	55.8	56.3	56.9	57.2	57.4	57.8	58.0	58.2	58.3	58.3	58.4	58.6	59.2	59.7
≥ 3000	54.6	57.1	58.3	58.3	59.1	59.5	59.7	60.2	60.4	60.5	60.6	60.6	60.8	61.0	61.6	62.1
≥ 2500	55.4	58.3	59.2	59.5	60.6	61.0	61.2	61.7	61.9	62.1	62.2	62.2	62.3	62.5	63.1	63.6
≥ 2000	55.7	58.9	59.8	60.2	61.3	61.7	61.9	62.5	62.8	62.9	63.0	63.0	63.1	63.4	63.9	64.4
≥ 1800	56.0	59.2	60.2	60.5	61.7	62.1	62.3	62.9	63.1	63.4	63.5	63.5	63.6	63.8	64.4	64.9
≥ 1500	56.3	60.0	61.0	61.5	62.8	63.2	63.5	64.2	64.4	64.8	64.9	64.9	65.0	65.2	65.8	66.3
≥ 1200	56.9	60.6	61.6	62.2	63.6	64.1	64.3	65.0	65.2	65.6	65.7	65.7	65.8	66.1	66.7	67.1
≥ 1000	58.2	62.1	63.0	63.7	65.1	66.0	66.3	67.0	67.5	67.8	68.0	68.0	68.1	68.3	68.9	69.4
≥ 900	58.5	62.8	63.7	64.4	66.0	66.8	67.1	67.8	68.3	68.7	68.8	68.8	68.9	69.1	69.7	70.2
≥ 800	59.1	63.6	64.5	65.2	66.9	67.8	68.2	69.0	69.5	69.9	70.1	70.1	70.2	70.4	71.0	71.5
≥ 700	60.2	64.9	66.3	66.9	68.9	69.9	70.3	71.3	71.7	72.2	72.5	72.5	72.6	72.8	73.5	74.0
≥ 600	61.0	66.3	67.8	68.9	71.0	72.0	72.7	73.6	74.1	74.8	75.3	75.3	75.4	75.8	76.5	77.0
≥ 500	62.1	68.0	69.6	70.9	73.9	75.4	76.7	78.1	78.8	80.3	81.3	81.4	82.0	82.4	83.1	83.6
≥ 400	62.4	69.4	71.2	72.9	76.4	77.9	79.7	81.6	82.6	84.4	86.2	86.3	87.4	87.7	88.7	89.1
≥ 300	62.5	69.5	71.3	73.2	77.0	78.6	80.6	82.7	83.8	86.3	88.7	88.8	90.4	91.3	92.8	93.6
≥ 200	62.5	69.5	71.3	73.2	77.2	79.1	81.1	83.6	84.6	87.9	90.8	91.1	93.5	94.6	97.4	98.7
≥ 100	62.6	69.6	71.4	73.3	77.3	79.2	81.2	83.7	84.8	88.1	90.9	91.3	93.7	94.8	97.8	99.9
≥ 0	62.6	69.6	71.4	73.3	77.3	79.2	81.2	83.7	84.8	88.1	90.9	91.3	93.7	94.8	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74-14
STATION

FAIRCHILD AFB WA
STATION NAME

73-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.75	≥1.5	≥1	≥.75	≥.5	≥.3	≥.16	≥.1	≥0
NO CEILING	28.6	29.7	30.1	30.1	30.3	30.3	30.3	30.4	30.5	30.5	30.5	30.5	30.7	30.7	31.0	31.0
≥ 20000	33.7	34.7	34.5	34.5	34.6	34.6	34.6	34.8	34.9	34.9	34.9	34.9	35.1	35.1	35.3	35.3
≥ 18000	33.7	34.8	35.2	35.2	35.3	35.3	35.3	35.5	35.6	35.6	35.6	35.6	35.8	35.8	36.1	36.1
≥ 16000	34.7	35.1	35.6	35.6	35.7	35.7	35.7	35.8	35.9	35.9	35.9	35.9	36.2	36.2	36.4	36.4
≥ 14000	35.6	36.6	37.1	37.1	37.2	37.2	37.2	37.4	37.5	37.5	37.5	37.5	37.7	37.7	37.9	37.9
≥ 12000	39.0	40.1	40.5	40.5	40.7	40.7	40.7	40.8	40.9	40.9	40.9	40.9	41.1	41.1	41.4	41.4
≥ 10000	42.0	43.4	44.1	44.2	44.3	44.3	44.3	44.4	44.6	44.6	44.6	44.6	44.8	44.8	45.0	45.0
≥ 9000	45.2	46.6	47.3	47.4	47.5	47.5	47.5	47.6	47.8	47.8	47.8	47.8	48.0	48.0	48.2	48.2
≥ 8000	48.0	49.6	50.4	50.5	50.6	50.6	50.6	50.7	50.8	50.8	50.8	50.8	51.1	51.1	51.3	51.3
≥ 7000	53.7	55.0	55.7	55.8	55.9	55.9	55.9	56.0	56.1	56.1	56.1	56.1	56.4	56.4	56.6	56.6
≥ 6000	54.8	56.9	57.6	57.7	57.9	57.9	57.9	58.0	58.2	58.2	58.2	58.2	58.4	58.4	58.6	58.6
≥ 5000	56.3	58.3	59.1	59.3	59.7	59.7	59.7	59.8	59.9	59.9	59.9	59.9	60.2	60.2	60.4	60.4
≥ 4500	58.5	60.6	61.5	61.7	62.1	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.5	62.5	62.8	62.8
≥ 4000	61.5	63.8	64.7	64.9	65.2	65.2	65.2	65.4	65.5	65.5	65.5	65.5	65.7	65.7	66.0	66.0
≥ 3500	62.3	64.7	65.5	65.7	66.1	66.2	66.2	66.3	66.4	66.4	66.4	66.4	66.7	66.7	66.9	66.9
≥ 3000	65.0	67.7	68.7	68.9	69.5	69.6	69.7	69.9	70.0	70.1	70.1	70.1	70.3	70.3	70.6	70.6
≥ 2500	65.8	68.6	69.5	69.7	70.4	70.6	70.8	70.9	71.1	71.2	71.2	71.2	71.4	71.4	71.6	71.6
≥ 2000	66.7	69.6	70.6	70.8	71.6	71.7	72.1	72.2	72.3	72.7	72.7	72.7	72.9	72.9	73.2	73.2
≥ 1800	66.9	69.9	70.8	71.0	72.0	72.1	72.6	72.7	72.8	73.2	73.2	73.2	73.4	73.4	73.6	73.6
≥ 1500	67.4	70.8	71.9	72.1	73.5	73.6	74.3	74.5	74.7	75.2	75.2	75.2	75.4	75.4	75.7	75.7
≥ 1200	68.1	72.3	73.2	73.4	74.8	74.9	76.0	76.2	76.5	77.1	77.2	77.2	77.4	77.4	77.7	77.7
≥ 1000	69.1	73.3	74.5	74.7	76.5	76.6	77.7	78.0	78.3	79.0	79.1	79.1	79.4	79.4	79.7	79.7
≥ 900	69.4	74.2	75.5	75.8	77.5	77.7	78.7	79.1	79.3	80.0	80.1	80.1	80.5	80.5	80.7	80.7
≥ 800	70.0	75.2	76.2	77.2	79.1	79.3	80.4	80.9	81.1	81.9	82.0	82.0	82.4	82.4	82.6	82.6
≥ 700	70.3	76.6	78.6	79.1	81.1	81.3	82.5	83.0	83.3	84.2	84.3	84.3	84.6	84.6	84.9	84.9
≥ 600	70.9	77.8	79.8	80.4	83.0	83.2	84.5	85.1	85.5	86.3	86.5	86.5	86.9	86.9	87.1	87.1
≥ 500	71.5	79.0	81.1	81.7	85.1	85.6	87.0	87.6	88.1	89.5	90.0	90.0	90.4	90.4	90.7	90.7
≥ 400	71.7	79.4	81.8	83.0	87.0	87.5	89.2	90.3	90.9	92.6	93.1	93.1	93.6	93.6	94.0	94.1
≥ 300	71.7	79.7	82.0	83.3	88.1	88.8	90.8	91.8	92.4	94.7	96.5	96.5	97.2	97.2	97.8	98.1
≥ 200	71.7	79.7	82.0	83.3	88.1	88.8	91.1	92.3	92.9	95.4	97.6	97.6	97.8	98.6	98.6	99.4
≥ 100	71.7	79.7	82.0	83.3	88.1	88.8	91.1	92.3	92.9	95.4	97.6	97.6	97.8	98.6	98.6	99.4
≥ 0	71.7	79.7	82.0	83.3	88.1	88.8	91.1	92.3	92.9	95.4	97.6	97.6	97.8	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

0-14 FAIRCHILD AFB WA
STATION STATION NAME

70-79 YEARS

FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 1/4
NO CEILING	34.9	35.5	35.6	35.8	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.3
≥ 20000	39.7	40.4	40.5	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.3
≥ 18000	41.4	41.1	41.3	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	42.0
≥ 16000	41.7	42.6	42.7	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.4
≥ 14000	44.2	45.1	45.2	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.9
≥ 12000	46.6	47.4	47.5	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.2
≥ 10000	51.7	52.1	52.2	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	53.0
≥ 9000	53.3	55.0	55.2	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.9
≥ 8000	56.5	58.2	58.4	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.1
≥ 7000	61.1	62.8	63.0	63.2	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.1
≥ 6000	63.5	65.1	65.4	65.6	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.4
≥ 5000	66.5	67.7	68.0	68.2	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.0
≥ 4500	67.7	68.8	69.1	69.3	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.1
≥ 4000	69.1	71.0	71.3	71.5	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.3
≥ 3500	71.7	72.7	72.9	73.2	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	74.0
≥ 3000	73.6	76.1	76.7	77.1	77.5	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.0
≥ 2500	74.7	77.3	77.9	78.4	78.8	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.4
≥ 2000	75.1	77.7	78.4	78.8	79.6	79.7	79.9	80.1	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.5
≥ 1800	75.1	77.7	78.4	78.8	79.6	79.7	79.9	80.1	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.5
≥ 1500	75.7	78.4	79.2	79.8	80.9	81.0	81.3	81.6	81.6	81.6	81.8	81.8	81.8	81.8	81.8	82.0
≥ 1200	76.2	79.2	80.1	80.7	81.9	82.0	82.4	82.6	82.6	82.6	82.9	82.9	82.9	82.9	82.9	83.1
≥ 1000	77.2	80.6	81.8	82.6	84.0	84.2	84.5	84.8	84.8	85.1	85.2	85.2	85.2	85.2	85.2	85.5
≥ 900	77.7	81.6	82.7	83.6	85.0	85.1	85.5	85.7	85.7	86.1	86.2	86.2	86.2	86.2	86.2	86.4
≥ 800	78.1	83.1	84.2	85.0	86.6	86.8	87.1	87.4	87.5	87.9	88.2	88.2	88.2	88.2	88.2	88.4
≥ 700	78.8	84.0	85.2	86.1	87.8	87.9	88.4	88.7	88.8	89.2	89.5	89.5	89.5	89.5	89.5	89.7
≥ 600	79.4	84.8	86.5	87.6	89.7	89.8	90.9	91.3	91.5	92.0	92.3	92.3	92.3	92.3	92.3	92.6
≥ 500	79.6	85.1	87.2	88.3	90.7	90.8	91.8	92.3	92.6	93.1	93.6	93.6	93.6	93.6	93.6	93.9
≥ 400	79.6	85.2	87.6	88.9	91.5	91.6	92.7	93.3	93.6	94.7	95.3	95.3	95.4	95.4	95.4	95.6
≥ 300	79.6	85.3	87.8	89.1	92.1	92.2	93.4	94.0	94.4	96.1	97.3	97.3	97.9	97.9	98.1	98.3
≥ 200	79.6	85.3	87.8	89.1	92.2	92.3	93.5	94.2	94.7	96.3	97.6	97.6	98.5	98.5	98.9	99.9
≥ 100	79.6	85.3	87.8	89.1	92.2	92.3	93.5	94.2	94.7	96.3	97.6	97.6	98.6	98.6	99.1	100.0
≥ 0	79.6	85.3	87.8	89.1	92.2	92.3	93.5	94.2	94.7	96.3	97.6	97.6	98.6	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

73-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	39.2	40.0	40.4	40.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.3	41.3	41.6	41.6
≥ 20000	42.8	43.6	44.1	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.9	44.9	45.3	45.4
≥ 18000	43.5	44.3	44.8	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.6	45.6	46.0	46.1
≥ 16000	44.1	44.8	45.3	45.6	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.1	46.1	46.5	46.6
≥ 14000	45.9	46.9	47.4	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.6	48.7
≥ 12000	48.8	49.9	50.4	50.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.5	51.7
≥ 10000	51.7	52.7	53.2	53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.4	54.5
≥ 9000	53.5	54.7	55.2	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.4	56.5
≥ 8000	56.9	58.3	58.7	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.9	60.0
≥ 7000	59.8	61.5	61.9	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	63.1	63.2
≥ 6000	61.3	63.0	63.5	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.7	64.8
≥ 5000	64.9	66.5	67.0	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.0	68.0	68.3	68.4
≥ 4500	65.5	67.1	67.6	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.6	68.6	68.9	69.0
≥ 4000	66.7	68.3	68.9	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.9	69.9	70.2	70.3
≥ 3500	69.4	71.4	72.1	72.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.4	73.5
≥ 3000	70.7	73.4	74.1	74.6	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.5	75.7
≥ 2500	71.7	74.8	75.5	76.1	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	77.2	77.3
≥ 2000	72.8	76.1	77.0	77.5	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.8	79.0
≥ 1800	72.8	76.1	77.0	77.5	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.8	79.0
≥ 1500	74.0	77.3	78.3	78.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.4	80.5
≥ 1200	74.3	77.8	78.7	79.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.7	80.7	81.1	81.2
≥ 1000	74.8	78.6	79.6	80.1	81.3	81.3	81.6	81.6	81.7	81.7	81.7	81.7	81.8	81.8	82.2	82.3
≥ 900	75.4	79.7	80.6	81.3	82.5	82.5	82.9	82.9	83.0	83.0	83.0	83.0	83.1	83.1	83.5	83.6
≥ 800	75.8	80.4	81.3	82.0	83.2	83.2	83.6	83.6	83.7	83.7	83.7	83.7	83.8	83.8	84.2	84.3
≥ 700	76.0	80.9	81.8	82.5	83.8	83.9	84.3	84.3	84.4	84.8	84.8	84.8	84.9	84.9	85.2	85.3
≥ 600	77.3	82.6	83.7	84.6	85.9	86.2	86.6	87.0	87.1	87.5	87.5	87.5	87.6	87.6	87.9	88.1
≥ 500	77.9	83.9	85.0	86.1	87.4	87.7	88.3	88.8	88.9	89.5	89.5	89.5	89.6	89.7	90.1	90.2
≥ 400	78.3	85.1	86.5	87.6	89.4	89.7	90.9	91.4	91.7	92.8	92.9	92.9	93.3	93.4	93.9	94.0
≥ 300	78.3	85.8	87.2	88.4	90.8	91.3	92.7	93.7	94.4	95.9	96.2	96.5	97.4	97.5	98.1	98.2
≥ 200	78.3	85.8	87.2	88.4	90.8	91.3	92.7	93.7	94.4	96.0	96.3	96.6	97.6	97.8	99.2	99.8
≥ 100	78.3	85.8	87.2	88.4	90.8	91.3	92.7	93.7	94.4	96.0	96.3	96.6	97.6	97.8	99.2	99.9
0	78.3	85.8	87.2	88.4	90.8	91.3	92.7	93.7	94.4	96.0	96.3	96.6	97.6	97.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

14 FAIRCHILD AFB WA

70-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS-151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	39.8	41.4	43.5	40.7	41.0	41.0	41.0	41.4	41.6	41.7	42.0	42.1	42.2	42.2	42.6	42.8
≥ 20000	43.3	44.1	44.1	44.2	44.6	44.6	44.6	44.9	45.2	45.3	45.5	45.6	46.0	46.2	46.6	46.9
≥ 18000	43.7	44.4	44.6	44.7	45.0	45.0	45.0	45.4	45.6	45.7	46.0	46.1	46.5	46.7	47.0	47.4
≥ 16000	43.7	44.4	44.6	44.7	45.0	45.0	45.0	45.4	45.6	45.7	46.0	46.1	46.5	46.7	47.0	47.4
≥ 14000	44.8	45.5	45.6	45.7	46.1	46.1	46.1	46.5	46.7	46.8	47.0	47.2	47.5	47.8	48.1	48.5
≥ 12000	47.3	47.8	47.9	48.0	48.3	48.3	48.3	48.7	48.9	49.1	49.3	49.4	49.8	50.0	50.4	50.7
≥ 10000	49.1	49.9	50.0	50.1	50.5	50.5	50.5	50.8	51.1	51.2	51.4	51.5	51.9	52.1	52.5	52.8
≥ 9000	50.2	51.3	51.4	51.5	51.9	51.9	51.9	52.2	52.5	52.6	52.8	53.0	53.3	53.5	53.9	54.3
≥ 8000	53.4	54.5	54.6	54.7	55.1	55.1	55.1	55.6	55.8	56.1	56.4	56.5	56.9	57.1	57.4	57.8
≥ 7000	56.3	57.8	57.9	58.0	58.4	58.4	58.4	58.9	59.1	59.5	59.7	59.8	60.2	60.4	60.8	61.1
≥ 6000	58.7	60.3	60.4	60.5	60.9	60.9	60.9	61.3	61.6	61.9	62.2	62.3	62.6	62.9	63.2	63.6
≥ 5000	63.1	64.6	64.9	65.0	65.4	65.4	65.4	65.8	66.1	66.4	66.7	66.8	67.1	67.4	67.7	68.1
≥ 4500	63.8	65.5	65.6	65.7	66.1	66.1	66.1	66.5	66.8	67.1	67.4	67.5	67.8	68.1	68.4	68.8
≥ 4000	66.3	68.1	68.2	68.3	68.7	68.7	68.7	69.1	69.4	69.7	70.0	70.1	70.4	70.7	71.0	71.4
≥ 3500	67.1	68.9	69.0	69.1	69.5	69.5	69.5	70.0	70.2	70.6	70.8	70.9	71.3	71.5	71.9	72.2
≥ 3000	69.3	71.2	71.3	71.4	71.7	71.7	71.7	72.2	72.5	72.8	73.0	73.2	73.5	73.8	74.1	74.5
≥ 2500	73.0	72.0	72.1	72.2	72.6	72.7	72.7	73.2	73.4	73.8	74.0	74.1	74.5	74.7	75.1	75.4
≥ 2000	72.2	74.5	74.6	74.7	75.4	75.5	75.5	76.1	76.4	76.7	77.0	77.1	77.4	77.7	78.0	78.4
≥ 1800	72.2	74.5	74.6	74.7	75.5	75.7	75.7	76.2	76.5	76.8	77.1	77.2	77.5	77.8	78.1	78.5
≥ 1500	73.5	76.1	76.4	76.5	77.3	77.4	77.4	78.0	78.3	78.6	78.8	79.0	79.3	79.5	79.9	80.3
≥ 1200	74.0	76.6	76.8	77.0	77.8	77.9	77.9	78.5	78.7	79.1	79.3	79.4	79.9	80.1	80.5	80.9
≥ 1000	74.3	77.2	77.5	77.7	78.7	78.8	78.8	79.6	79.8	80.1	80.4	80.5	81.0	81.2	81.6	81.9
≥ 900	74.5	77.4	77.8	77.9	79.0	79.1	79.1	79.8	80.0	80.4	80.6	80.7	81.2	81.4	81.8	82.2
≥ 800	74.9	78.3	78.4	78.5	80.0	80.1	80.1	80.9	81.1	81.6	81.8	81.9	82.4	82.6	83.0	83.3
≥ 700	75.4	78.7	79.1	79.3	81.0	81.1	81.2	82.2	82.4	82.9	83.1	83.2	83.7	83.9	84.3	84.6
≥ 600	75.7	79.1	79.8	80.0	81.9	82.3	82.3	83.5	83.7	84.2	84.4	84.5	85.0	85.2	85.7	86.1
≥ 500	76.4	80.3	81.0	81.2	83.5	83.7	84.2	85.8	86.2	86.8	87.0	87.1	87.6	87.8	88.4	88.8
≥ 400	76.7	81.0	82.3	82.6	84.9	85.2	86.5	88.5	88.9	89.6	90.1	90.2	90.7	90.9	91.6	92.0
≥ 300	76.7	81.4	83.2	83.7	86.3	86.6	88.0	90.7	91.0	92.1	92.8	93.0	94.3	94.6	95.6	96.3
≥ 200	76.7	81.6	83.3	83.8	86.4	87.0	88.0	91.0	91.7	93.3	94.1	94.3	96.2	96.5	98.2	99.8
≥ 100	76.7	81.6	83.3	83.8	86.4	87.0	88.7	91.0	91.7	93.3	94.1	94.3	96.2	96.5	98.3	100.0
≥ 0	76.7	81.6	83.3	83.8	86.4	87.0	88.7	91.0	91.7	93.3	94.1	94.3	96.2	96.5	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS TEST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	32.6	33.1	33.3	33.4	33.8	33.9	34.0	34.1	34.2	34.4	34.4	34.5	34.7	34.8	35.0	35.3
≥20000	35.6	36.2	36.4	36.6	37.0	37.0	37.1	37.3	37.4	37.5	37.6	37.6	37.9	38.0	38.3	38.6
≥18000	36.3	36.8	37.1	37.2	37.6	37.7	37.8	38.0	38.1	38.2	38.3	38.3	38.6	38.7	39.0	39.2
≥16000	36.7	37.3	37.5	37.7	38.1	38.2	38.3	38.4	38.5	38.7	38.8	38.8	39.1	39.2	39.5	39.7
≥14000	38.3	38.9	39.2	39.3	39.7	39.8	39.9	40.1	40.2	40.3	40.4	40.4	40.7	40.8	41.1	41.3
≥12000	40.9	41.5	41.8	41.9	42.3	42.4	42.5	42.7	42.9	43.0	43.1	43.1	43.4	43.5	43.8	44.1
≥10000	43.6	44.4	44.8	44.9	45.3	45.5	45.6	45.8	46.0	46.1	46.2	46.2	46.5	46.7	47.0	47.3
≥9000	45.4	46.3	46.7	46.8	47.3	47.4	47.5	47.7	47.9	48.0	48.1	48.1	48.4	48.6	48.9	49.2
≥8000	48.4	49.4	49.8	49.9	50.4	50.5	50.6	50.8	51.0	51.2	51.2	51.3	51.6	51.7	52.1	52.3
≥7000	52.2	53.5	53.9	54.0	54.5	54.7	54.8	55.1	55.2	55.4	55.5	55.5	55.8	56.0	56.3	56.6
≥6000	54.6	55.8	56.2	56.4	56.9	57.0	57.2	57.4	57.6	57.8	57.9	57.9	58.2	58.4	58.7	59.0
IV 5000	57.5	58.8	59.2	59.4	60.0	60.2	60.3	60.5	60.7	60.9	61.0	61.0	61.3	61.5	61.8	62.1
IV 4500	58.7	60.0	60.4	60.6	61.2	61.4	61.5	61.9	61.9	62.1	62.2	62.2	62.6	62.7	63.0	63.3
IV 4000	60.7	62.1	62.6	62.8	63.4	63.5	63.7	63.9	64.1	64.3	64.4	64.5	64.8	64.9	65.3	65.6
IV 3500	61.7	63.3	63.7	63.9	64.5	64.7	64.9	65.1	65.3	65.5	65.6	65.6	66.0	66.1	66.5	66.8
IV 3000	63.6	65.6	66.1	66.4	67.0	67.2	67.4	67.7	67.8	68.1	68.2	68.2	68.6	68.7	69.0	69.3
IV 2500	64.6	66.9	67.4	67.7	68.5	68.7	68.9	69.2	69.4	69.6	69.7	69.7	70.1	70.2	70.5	70.8
IV 2000	65.5	67.9	68.6	68.8	69.8	70.0	70.2	70.6	70.7	71.0	71.1	71.2	71.5	71.6	72.0	72.3
IV 1800	65.7	68.1	68.7	69.0	70.0	70.2	70.5	70.8	71.0	71.2	71.4	71.4	71.7	71.9	72.2	72.5
IV 1500	65.4	69.1	69.8	70.2	71.4	71.7	71.9	72.3	72.5	72.8	72.9	73.0	73.3	73.5	73.8	74.1
IV 1200	66.9	69.8	70.5	70.9	72.2	72.5	72.9	73.3	73.4	73.8	74.0	74.0	74.4	74.5	74.9	75.2
IV 1000	67.6	70.8	71.7	72.1	73.7	74.0	74.5	74.9	75.1	75.5	75.7	75.7	76.1	76.3	76.6	76.9
IV 900	68.0	71.6	72.4	72.9	74.4	74.8	75.3	75.8	76.0	76.4	76.5	76.6	77.0	77.1	77.4	77.7
IV 800	68.6	72.4	73.3	73.8	75.6	75.9	76.5	77.0	77.2	77.7	77.9	77.9	78.3	78.4	78.8	79.1
IV 700	69.1	73.3	74.3	74.9	76.8	77.2	77.8	78.4	78.7	79.2	79.4	79.4	79.8	80.0	80.3	80.7
IV 600	69.7	74.3	75.6	76.3	78.4	78.8	79.6	80.3	80.6	81.2	81.5	81.5	81.9	82.1	82.5	82.8
IV 500	70.3	75.5	77.0	77.7	80.3	80.8	81.9	82.8	83.2	84.1	84.5	84.6	85.1	85.3	85.7	86.0
IV 400	70.7	76.5	78.3	79.3	82.2	82.8	84.2	85.4	86.0	87.3	88.0	88.1	88.8	89.0	89.6	90.0
IV 300	70.8	77.1	79.0	80.1	83.6	84.3	86.1	87.6	88.3	90.4	91.6	91.8	93.1	93.5	94.5	95.1
IV 200	70.8	77.2	79.2	80.2	83.8	84.6	86.5	88.2	88.9	91.4	93.1	93.4	95.2	95.7	98.0	99.4
IV 100	70.8	77.2	79.2	80.2	83.9	84.7	86.5	88.3	89.0	91.5	93.2	93.5	95.3	95.9	98.2	99.9
IV 0	70.8	77.2	79.2	80.2	83.9	84.7	86.5	88.3	89.0	91.5	93.2	93.5	95.3	95.9	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14
STATION

FAIRCHILD AFB TX

STATION NAME

73-79

YEARS

MAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS - 151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 1	≥ .5	≥ .25	≥ .15	≥ .10	≥ .05	≥ 0
NO CEILING	54.8	55.2	55.2	55.2	55.3	55.3	55.3	55.5	55.5	55.8	55.8	55.8	55.9	56.0	56.1	56.1
≥ 20000	58.5	58.8	58.8	58.8	58.9	58.9	58.9	59.1	59.1	59.5	59.5	59.5	59.6	59.7	59.8	59.8
≥ 18000	58.5	58.8	58.8	58.8	58.9	58.9	58.9	59.1	59.1	59.5	59.5	59.5	59.6	59.7	59.8	59.8
≥ 16000	58.5	58.8	58.8	58.8	58.9	58.9	58.9	59.1	59.1	59.5	59.5	59.5	59.6	59.7	59.8	59.8
≥ 14000	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.2	61.2	61.5	61.5	61.5	61.6	61.7	61.8	61.8
≥ 12000	63.4	63.8	63.8	63.8	64.3	64.0	64.0	64.2	64.2	64.5	64.5	64.5	64.6	64.7	64.8	64.8
≥ 10000	67.5	67.8	67.8	67.8	68.1	68.1	68.1	68.3	68.3	68.7	68.8	68.8	68.9	69.0	69.1	69.1
≥ 9000	69.7	69.4	69.4	69.4	69.6	69.6	69.6	69.8	69.8	70.2	70.3	70.4	70.5	70.8	70.9	70.9
≥ 8000	71.2	71.6	71.6	71.6	71.8	71.8	71.8	72.0	72.0	72.5	72.6	72.7	72.8	73.0	73.1	73.1
≥ 7000	75.3	75.7	75.7	75.7	75.9	75.9	75.9	76.1	76.1	76.6	76.7	76.8	76.9	77.1	77.2	77.2
≥ 6000	77.2	77.7	77.7	77.7	78.0	78.0	78.0	78.2	78.2	78.6	78.7	78.8	78.9	79.1	79.2	79.2
≥ 5000	80.1	80.8	80.8	80.8	81.0	81.0	81.0	81.2	81.2	81.6	81.7	81.8	81.9	82.2	82.3	82.3
≥ 4500	81.4	82.1	82.1	82.1	82.3	82.3	82.3	82.5	82.5	82.9	83.0	83.1	83.2	83.4	83.5	83.5
≥ 4000	83.5	84.2	84.2	84.2	84.4	84.4	84.4	84.6	84.6	85.1	85.2	85.3	85.5	85.7	85.8	85.8
≥ 3500	84.3	84.9	85.1	85.1	85.3	85.3	85.3	85.5	85.5	85.9	86.0	86.1	86.3	86.6	86.7	86.7
≥ 3000	86.2	87.1	87.2	87.2	87.4	87.4	87.4	87.6	87.6	88.1	88.2	88.3	88.5	88.7	88.8	88.8
≥ 2500	86.6	87.8	88.0	88.0	88.3	88.3	88.3	88.5	88.5	88.9	89.1	89.2	89.6	89.8	89.9	89.9
≥ 2000	87.3	88.6	88.7	88.7	89.0	89.0	89.0	89.2	89.2	89.7	89.9	90.0	90.3	90.5	90.6	90.6
≥ 1800	87.5	88.9	89.0	89.0	89.4	89.4	89.4	89.6	89.6	90.0	90.2	90.3	90.6	90.9	91.0	91.0
≥ 1500	87.7	89.1	89.2	89.2	89.6	89.6	89.6	89.8	89.8	90.2	90.4	90.5	90.9	91.1	91.2	91.2
≥ 1200	88.2	89.6	89.7	89.7	90.1	90.1	90.1	90.3	90.3	90.8	91.0	91.1	91.4	91.6	91.7	91.7
≥ 1000	88.6	90.2	90.3	90.4	91.1	91.1	91.1	91.3	91.3	91.7	91.9	92.0	92.4	92.6	92.7	92.7
≥ 900	88.7	90.5	90.6	90.6	91.4	91.4	91.4	91.6	91.6	92.0	92.3	92.4	92.7	92.9	93.0	93.0
≥ 800	88.9	90.9	91.1	91.1	91.7	91.7	91.7	92.3	92.3	92.7	92.9	93.0	93.3	93.5	93.7	93.7
≥ 700	88.9	91.0	91.1	91.2	91.9	91.9	91.9	92.5	92.5	92.9	93.1	93.2	93.5	93.8	93.9	93.9
≥ 600	88.9	91.2	91.4	91.5	92.5	92.5	92.5	93.3	93.3	93.4	93.7	93.9	94.2	94.4	94.5	94.5
≥ 500	89.2	91.7	92.3	92.4	93.8	93.8	93.8	94.3	94.4	94.9	95.2	95.4	95.7	95.9	96.0	96.0
≥ 400	89.2	91.7	92.3	92.4	93.9	94.0	94.0	94.1	94.9	95.1	95.7	95.9	96.1	96.5	96.7	97.1
≥ 300	89.2	91.8	92.6	92.9	94.5	94.7	94.7	95.1	95.9	96.2	97.1	97.4	97.6	98.0	98.3	98.7
≥ 200	89.2	91.8	92.6	92.9	94.5	94.7	94.7	95.1	96.0	96.3	97.2	97.5	97.7	98.1	98.5	99.0
≥ 100	89.2	91.8	92.6	92.9	94.6	94.8	94.8	95.2	96.2	96.6	97.4	97.7	98.0	98.3	98.7	99.7
≥ 0	89.2	91.8	92.6	92.9	94.6	94.8	94.8	95.2	96.2	96.6	97.4	97.7	98.0	98.3	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2-114
STATION

FAIRCHILD AFB WA
STATION NAME

7-79
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	57.4	50.5	50.6	50.6	50.8	50.8	50.8	50.8	50.8	51.0	51.0	51.0	51.2	51.3	51.7	51.7
≥ 20000	54.2	54.3	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.7	54.7	54.7	54.9	55.1	55.5	55.5
≥ 18000	54.8	54.9	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.4	55.4	55.4	55.6	55.7	56.1	56.1
≥ 16000	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.5	55.5	55.5	55.7	55.8	56.2	56.2
≥ 14000	56.2	56.3	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.8	56.8	56.8	57.0	57.1	57.5	57.5
≥ 12000	58.2	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.7	58.7	58.7	59.0	59.1	59.6	59.6
≥ 10000	61.6	61.7	61.8	61.8	61.9	61.9	61.9	61.9	61.9	62.2	62.2	62.2	62.5	62.6	63.0	63.0
≥ 9000	63.0	63.1	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.7	63.7	63.7	64.0	64.1	64.5	64.5
≥ 8000	66.7	67.0	67.3	67.3	67.4	67.4	67.6	67.6	67.6	67.8	67.8	67.8	68.2	68.3	68.7	68.7
≥ 7000	69.9	70.2	70.5	70.5	70.6	70.6	70.9	70.9	70.9	71.1	71.1	71.1	71.4	71.5	71.9	71.9
≥ 6000	71.2	71.5	71.6	71.9	72.0	72.0	72.3	72.3	72.3	72.5	72.5	72.5	72.8	72.9	73.3	73.3
≥ 5000	74.8	75.3	75.5	75.7	75.9	75.9	76.1	76.1	76.1	76.3	76.3	76.3	76.7	76.8	77.2	77.2
≥ 4500	76.3	76.9	77.2	77.3	77.5	77.5	77.7	77.7	77.7	78.0	78.0	78.0	78.3	78.4	78.8	78.8
≥ 4000	76.7	78.6	79.1	79.2	79.6	79.6	79.8	79.8	79.8	80.0	80.0	80.0	80.3	80.4	80.9	80.9
≥ 3500	78.9	81.3	80.3	80.4	81.8	81.8	81.0	81.0	81.0	81.2	81.2	81.2	81.7	81.8	82.3	82.3
≥ 3000	80.4	81.6	81.5	82.0	82.5	82.5	82.8	82.8	83.0	83.2	83.2	83.2	83.8	83.9	84.3	84.3
≥ 2500	80.8	82.3	82.6	82.7	83.2	83.2	83.5	83.5	83.8	84.1	84.1	84.1	84.6	84.7	85.3	85.3
≥ 2000	81.4	82.9	83.2	83.3	84.1	84.1	84.4	84.5	84.7	85.1	85.1	85.1	85.6	85.7	86.2	86.2
≥ 1800	81.4	83.1	83.4	83.5	84.3	84.3	84.6	84.8	85.1	85.4	85.4	85.4	85.9	86.0	86.6	86.6
≥ 1500	81.4	83.1	83.5	83.7	84.4	84.4	84.8	85.1	85.3	85.7	85.7	85.7	86.2	86.3	86.9	86.9
≥ 1200	81.9	84.1	84.4	84.5	85.3	85.3	85.7	85.9	86.1	86.6	86.6	86.6	87.1	87.2	87.7	87.7
≥ 1000	82.2	84.7	85.5	85.6	86.7	86.7	87.3	87.5	87.7	88.2	88.2	88.2	88.7	88.8	89.4	89.4
≥ 900	82.4	84.9	85.7	85.8	86.9	86.9	87.5	87.7	88.0	88.4	88.4	88.4	88.9	89.0	89.6	89.6
≥ 800	82.4	85.3	86.0	86.1	87.2	87.2	88.0	88.2	88.4	88.8	88.8	88.8	89.4	89.5	90.0	90.0
≥ 700	82.7	85.7	86.5	86.7	88.0	88.0	88.8	89.0	89.2	89.7	89.7	89.7	90.2	90.3	90.9	90.9
≥ 600	82.9	85.9	86.7	86.9	88.2	88.2	89.0	89.2	89.5	89.9	89.9	89.9	90.4	90.5	91.1	91.1
≥ 500	83.3	86.7	87.5	87.8	89.5	89.5	90.6	90.9	91.1	91.7	91.7	91.7	92.4	92.5	93.0	93.0
≥ 400	83.5	86.9	87.8	88.3	90.0	90.0	90.1	91.2	91.5	91.7	92.7	93.0	93.5	93.8	94.6	94.6
≥ 300	83.7	87.4	88.4	88.8	90.9	91.0	92.3	92.7	92.9	94.0	94.7	94.8	95.8	96.0	97.2	97.2
≥ 200	83.7	87.5	88.5	88.9	91.3	91.5	93.0	93.8	94.1	95.2	96.0	96.1	97.4	97.6	99.1	99.1
≥ 100	83.7	87.5	88.5	88.9	91.3	91.5	93.0	93.8	94.1	95.2	96.0	96.1	97.5	97.7	99.7	100.0
≥ 0	83.7	87.5	88.5	88.9	91.3	91.5	93.0	93.8	94.1	95.2	96.0	96.1	97.5	97.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

14.14 FAIRCHILD AFB WA

77-79

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-6600
HOURS 11:51

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.0
NO CEILING	41.5	42.2	42.2	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.6	42.7	42.9	43.4
≥ 20000	45.3	47.1	47.3	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.5	47.7	48.3
≥ 18000	45.9	47.5	47.5	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	48.0	48.1	48.3	48.8
≥ 16000	47.1	47.7	47.7	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.3	48.5	49.0
≥ 14000	48.5	49.1	49.1	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.7	49.9	50.4
≥ 12000	51.7	52.4	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.9	53.1	53.7
≥ 10000	55.5	57.2	57.2	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.7	58.0	58.5
≥ 9000	58.4	59.2	59.2	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.8	60.0	60.5
≥ 8000	62.3	63.5	63.5	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.2	64.3	64.5
≥ 7000	65.3	66.7	66.7	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.4	67.6
≥ 6000	68.1	67.5	67.5	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.2	68.3	68.5
≥ 5000	68.7	70.1	70.1	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.8	70.9	71.1
≥ 4500	69.6	71.2	71.2	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.8	71.9	72.2
≥ 4000	71.3	73.5	73.5	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.3	74.3	74.4	74.5	74.7
≥ 3500	72.5	74.2	74.2	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.9	74.9	75.1	75.2	75.4
≥ 3000	74.2	76.2	76.3	76.9	77.1	77.2	77.3	77.3	77.4	77.4	77.7	77.7	77.8	78.0	78.2
≥ 2500	75.4	77.5	78.1	78.5	78.9	79.1	79.2	79.2	79.4	79.7	79.7	79.8	79.9	80.1	80.8
≥ 2000	75.7	78.5	78.4	78.9	79.4	79.6	79.7	79.7	79.8	80.1	80.1	80.2	80.3	80.5	81.2
≥ 1800	75.8	78.1	78.5	79.0	79.5	79.7	79.8	79.8	79.9	80.2	80.2	80.5	80.4	80.6	81.3
≥ 1500	75.8	78.1	78.5	79.4	79.8	80.0	80.1	80.2	80.3	80.6	80.6	80.8	81.0	81.2	81.8
≥ 1200	76.3	79.0	79.8	80.4	81.0	81.2	81.3	81.4	81.5	81.9	82.0	82.2	82.4	82.6	83.2
≥ 1000	76.9	79.9	80.6	81.4	82.2	82.4	82.6	82.7	83.0	83.4	83.5	83.7	83.9	84.1	84.7
≥ 900	77.3	80.3	81.1	81.8	82.7	82.9	83.1	83.2	83.5	84.0	84.1	84.2	84.4	84.6	85.3
≥ 800	77.7	80.9	81.7	82.5	83.3	83.5	83.8	83.9	84.3	84.8	84.9	85.1	85.3	85.5	86.1
≥ 700	78.6	81.3	82.7	83.5	84.4	84.6	84.9	85.1	85.6	86.3	86.5	86.7	86.9	87.1	87.7
≥ 600	79.5	82.7	83.9	84.4	85.4	85.6	85.9	86.0	86.6	87.3	87.7	88.0	88.2	88.4	89.0
≥ 500	80.2	83.9	84.7	85.7	86.8	87.1	87.4	87.6	88.2	89.0	89.7	89.9	90.1	90.3	91.0
≥ 400	80.5	84.3	85.4	86.3	87.4	87.6	88.2	88.6	89.2	90.3	91.1	91.4	91.8	92.0	93.0
≥ 300	80.8	84.8	85.0	87.4	88.6	88.9	89.6	90.1	91.0	92.3	93.1	93.4	94.1	94.6	95.7
≥ 200	80.8	84.8	85.1	87.6	88.8	89.2	89.9	90.5	91.4	93.0	94.1	94.4	95.9	96.8	98.5
≥ 100	80.8	84.8	86.1	87.6	88.8	89.2	89.9	90.6	91.5	93.1	94.2	94.5	96.0	96.9	98.7
≥ 0	80.8	84.8	86.1	87.6	88.8	89.2	89.9	90.6	91.5	93.1	94.2	94.5	96.0	96.9	98.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

73-79
YEARS

MO.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5 to 0	≥0
NO CEILING	40.6	41.3	41.3	41.3	41.6	41.8	41.8	41.9	41.9	42.0	42.0	42.0	42.0	42.2	42.4
≥ 20000	47.1	46.0	48.0	48.0	48.3	48.5	48.5	42.6	48.6	48.7	48.7	48.7	48.7	48.8	49.0
≥ 18000	48.1	48.9	48.9	48.9	49.2	49.5	49.5	49.6	49.6	49.7	49.7	49.7	49.7	49.8	50.0
≥ 16000	49.1	49.9	49.9	49.9	50.2	50.4	50.4	50.5	50.5	50.6	50.6	50.6	50.6	50.8	51.0
≥ 14000	51.3	51.2	51.2	51.2	51.5	51.7	51.7	51.8	51.8	51.9	51.9	51.9	51.9	52.0	52.3
≥ 12000	54.9	55.9	56.0	56.0	56.3	56.6	56.6	56.7	56.7	56.8	56.8	56.8	56.8	56.9	57.1
≥ 10000	61.8	61.7	61.8	61.8	62.2	62.4	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.7	63.0
≥ 9000	63.0	64.0	64.1	64.1	64.5	64.7	64.7	64.8	64.8	64.9	64.9	64.9	64.9	65.1	65.4
≥ 8000	66.3	67.4	67.5	67.5	68.1	68.3	68.3	68.4	68.4	68.5	68.5	68.5	68.5	68.6	68.9
≥ 7000	68.3	69.8	69.9	69.9	70.4	70.6	70.6	70.8	70.8	70.9	70.9	70.9	70.9	71.0	71.3
≥ 6000	69.5	71.1	71.2	71.3	71.8	72.0	72.0	72.3	72.3	72.4	72.4	72.4	72.4	72.5	72.8
≥ 5000	73.2	74.9	75.1	75.3	75.8	76.0	76.0	76.2	76.2	76.3	76.3	76.3	76.3	76.5	76.8
≥ 4500	73.8	75.5	75.7	75.9	76.5	76.7	76.7	76.9	76.9	77.0	77.0	77.0	77.0	77.1	77.4
≥ 4000	75.3	77.0	77.2	77.4	78.0	78.2	78.2	78.4	78.4	78.6	78.6	78.6	78.6	78.7	79.0
≥ 3500	76.1	77.7	78.5	78.2	78.7	78.9	78.9	79.1	79.1	79.4	79.4	79.4	79.4	79.5	79.8
≥ 3000	78.1	79.7	80.1	80.3	80.9	81.1	81.1	81.3	81.4	81.6	81.6	81.6	81.6	81.7	82.0
≥ 2500	78.2	80.2	80.6	81.0	81.8	82.3	82.0	82.3	82.4	82.6	82.6	82.6	82.6	82.7	83.0
≥ 2000	79.1	81.3	82.0	82.3	83.3	83.5	83.7	83.9	84.0	84.2	84.2	84.2	84.2	84.3	84.6
≥ 1800	79.9	82.0	82.8	83.0	84.1	84.3	84.4	84.6	84.7	84.9	84.9	84.9	84.9	85.1	85.4
≥ 1500	80.3	82.7	83.4	83.7	84.7	84.9	85.2	85.4	85.6	85.9	85.9	85.9	85.9	86.1	86.5
≥ 1200	80.9	83.4	84.4	84.6	85.7	85.9	86.1	86.3	86.6	86.9	86.9	86.9	86.9	87.1	87.4
≥ 1000	81.6	84.8	85.9	86.2	87.6	87.8	88.1	88.6	88.8	89.1	89.1	89.1	89.1	89.4	89.7
≥ 900	81.8	85.3	86.3	86.8	88.4	88.6	88.9	89.5	89.7	90.0	90.0	90.0	90.0	90.2	90.5
≥ 800	82.3	85.3	87.3	87.4	89.1	89.4	89.7	90.2	90.5	91.0	91.0	91.0	91.0	91.2	91.5
≥ 700	82.8	86.3	87.5	88.1	89.9	90.1	90.4	91.0	91.5	91.9	91.9	91.9	91.9	92.2	92.5
≥ 600	83.1	86.9	88.1	88.1	90.5	90.8	91.1	91.8	92.4	92.9	93.0	93.0	93.0	93.2	93.5
≥ 500	83.3	87.7	88.9	89.6	91.6	91.8	92.4	93.3	93.9	94.4	94.6	94.6	94.6	94.9	95.3
≥ 400	83.5	87.8	89.1	89.9	92.6	93.0	93.5	94.7	95.4	96.1	96.3	96.3	96.3	96.8	97.1
≥ 300	83.5	88.2	89.6	90.4	93.3	93.8	94.4	95.8	96.7	97.4	97.6	97.6	97.6	98.2	98.5
≥ 200	83.3	88.4	89.9	90.8	93.7	94.1	94.8	96.2	97.1	98.1	98.4	98.5	98.5	99.1	99.8
≥ 100	83.3	88.4	89.9	90.8	93.7	94.1	94.8	96.2	97.1	98.1	98.4	98.5	98.5	99.1	99.8
≥ 0	83.3	88.4	89.9	90.8	93.7	94.1	94.8	96.2	97.1	98.1	98.4	98.5	98.5	99.1	99.8

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
A14 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24-14
STATION

FAIRCHILD AFB WA

STATION NAME

7-79

YEARS

MAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	37.6	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 20000	44.6	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 18000	45.3	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 16000	46.1	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 14000	48.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 12000	51.9	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 10000	57.0	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	58.3	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 8000	62.5	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 7000	64.7	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 6000	67.1	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000	70.5	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4500	71.4	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	75.9	76.8	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3500	78.7	79.8	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3000	82.6	84.1	84.8	84.8	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 2500	83.9	85.5	86.2	86.2	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2000	85.3	87.2	88.1	88.1	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	85.6	87.5	88.4	88.4	89.0	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500	86.5	88.6	89.7	89.7	90.3	90.3	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1200	87.4	90.0	91.2	91.2	92.0	92.0	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	87.8	90.9	92.2	92.3	93.4	93.4	94.0	94.4	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900	88.0	91.0	92.4	92.5	93.7	93.7	94.2	94.8	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	88.1	91.2	92.6	92.7	94.0	94.0	94.5	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 700	88.3	91.4	92.8	92.9	94.3	94.3	94.8	95.5	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	88.6	92.2	93.5	93.8	95.2	95.3	95.8	96.7	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	88.7	92.5	93.9	94.1	95.5	95.6	96.2	97.5	97.7	98.2	98.4	98.4	98.6	98.6	98.6	98.6
≥ 400	88.7	92.5	93.9	94.1	95.5	95.6	96.2	97.5	97.7	98.2	98.4	98.4	98.6	98.6	98.6	98.6
≥ 300	88.7	92.6	94.0	94.2	95.6	95.7	96.5	97.8	98.1	98.6	99.1	99.1	99.9	99.9	99.9	99.9
≥ 200	88.7	92.6	94.0	94.2	95.6	95.7	96.5	97.8	98.1	98.6	99.1	99.1	99.9	99.9	99.9	99.9
≥ 100	88.7	92.6	94.1	94.3	95.7	95.8	96.6	98.0	98.2	98.7	99.2	99.2	100.0	100.0	100.0	100.0
≥ 0	88.7	92.6	94.1	94.3	95.7	95.8	96.6	98.0	98.2	98.7	99.2	99.2	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4114 FAIRCHILD AFB WA

70-79

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING /FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	38.5	38.6	38.5	38.6	39.6	38.6	39.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 20000	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 18000	45.4	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 16000	45.8	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 14000	49.2	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 12000	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 10000	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 9000	58.6	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 8000	61.9	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 7000	65.8	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 6000	68.5	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 5000	71.8	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500	74.4	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4000	79.1	79.9	80.2	80.2	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3500	81.9	82.9	83.2	83.3	83.4	83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000	85.4	86.8	87.1	87.2	87.3	87.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500	86.1	87.7	88.2	88.4	88.5	88.7	88.8	89.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000	87.4	89.2	89.7	89.7	90.4	90.6	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1800	87.5	89.4	89.8	90.0	90.5	90.8	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	88.7	90.4	90.9	91.1	91.8	92.0	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200	90.7	91.3	91.7	92.0	93.0	93.2	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1000	89.1	91.9	92.4	92.7	94.1	94.3	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 900	89.4	92.3	92.7	93.0	94.4	94.6	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	89.5	92.4	92.8	93.1	94.5	94.7	95.2	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	89.7	92.9	93.3	93.7	95.1	95.3	95.7	96.1	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	89.7	93.2	93.7	94.1	95.6	95.9	96.3	96.9	97.0	97.3	97.5	97.5	97.5	97.5	97.5	97.5
≥ 500	89.7	93.3	93.8	94.2	95.8	96.1	96.6	97.2	97.5	98.0	98.3	98.3	98.4	98.4	98.4	98.4
≥ 400	89.8	93.5	94.2	94.7	96.3	96.7	97.3	98.3	98.6	99.0	99.5	99.5	99.6	99.6	99.6	99.6
≥ 300	89.8	93.7	94.3	94.8	96.5	96.8	97.4	98.4	98.7	99.1	99.6	99.6	99.7	99.8	99.8	99.8
≥ 200	89.8	93.7	94.3	94.8	96.5	96.8	97.4	98.4	98.7	99.1	99.7	99.7	99.8	100.0	100.0	100.0
≥ 100	89.8	93.7	94.3	94.8	96.5	96.8	97.4	98.4	98.7	99.1	99.7	99.7	99.8	100.0	100.0	100.0
≥ 0	89.8	93.7	94.3	94.8	96.5	96.8	97.4	98.4	98.7	99.1	99.7	99.7	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24014
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	53.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 12000	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 10000	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 9000	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 8000	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 7000	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 6000	79.1	79.4	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	81.3	81.8	81.9	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4500	83.1	83.8	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4000	85.7	86.5	86.5	86.6	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3500	87.2	88.1	88.2	88.2	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3000	89.3	90.6	90.8	90.8	91.0	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2500	90.0	91.4	91.5	91.5	91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000	90.5	92.0	92.3	92.3	92.5	92.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1800	90.8	92.4	92.6	92.6	92.8	92.9	92.9	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1500	90.9	92.6	92.8	92.8	93.0	93.1	93.1	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	91.7	93.9	94.2	94.2	94.4	94.5	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1000	92.1	94.3	94.6	94.7	95.1	95.2	95.4	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	92.3	94.7	95.2	95.3	95.6	95.7	95.9	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	92.3	94.9	95.5	95.6	95.9	96.0	96.2	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 700	92.3	94.9	95.5	95.6	95.9	96.0	96.2	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 600	92.4	95.1	95.7	95.8	96.5	96.6	96.9	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	92.6	95.4	96.0	96.5	97.1	97.2	97.6	97.7	97.8	98.6	98.6	98.6	98.7	98.7	98.7	98.7
≥ 400	92.9	95.7	96.3	96.9	97.5	97.6	98.2	98.3	98.4	99.2	99.4	99.4	99.5	99.5	99.5	99.5
≥ 300	93.0	95.8	96.5	97.1	97.7	97.8	98.4	98.5	98.6	99.5	99.6	99.6	99.7	99.7	99.7	99.7
≥ 200	93.0	95.8	96.5	97.1	97.7	97.8	98.4	98.5	98.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0
≥ 100	93.0	95.8	96.5	97.1	97.7	97.8	98.4	98.6	98.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0
≥ 0	93.0	95.8	96.5	97.1	97.7	97.8	98.4	98.6	98.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	53.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 18000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 16000	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 14000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 12000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 8000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 7000	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 6000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 5000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 4500	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 4000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3500	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1200	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1000	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 900	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 800	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 500	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 400	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 300	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 200	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 100	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24.14
STATION

FAIRCHILD AFB WA
STATION NAME

76-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 1/4
NO CEILING	46.4	46.7	46.7	46.7	46.8	46.8	46.8	46.9	46.9	47.0	47.0	47.0	47.1	47.1	47.3	47.3
≥ 20000	51.3	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	52.0	52.1	52.2	52.3
≥ 18000	51.9	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.6	52.6	52.8	52.9
≥ 16000	52.3	52.6	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.9	52.9	52.9	53.0	53.1	53.2	53.3
≥ 14000	54.4	54.7	54.7	54.8	54.9	54.9	54.9	54.9	54.9	55.0	55.0	55.0	55.1	55.2	55.3	55.4
≥ 12000	57.5	57.8	57.9	57.9	58.0	58.0	58.0	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.5	58.6
≥ 10000	62.3	62.6	62.7	62.7	62.8	62.8	62.9	62.9	62.9	63.0	63.0	63.1	63.1	63.2	63.4	63.4
≥ 9000	64.0	64.4	64.5	64.6	64.7	64.7	64.7	64.7	64.8	64.9	64.9	64.9	65.0	65.1	65.2	65.3
≥ 8000	67.3	67.8	67.9	67.9	68.1	68.1	68.1	68.2	68.2	68.3	68.3	68.3	68.4	68.5	68.7	68.7
≥ 7000	70.6	71.2	71.3	71.3	71.4	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.8	71.9	72.1	72.1
≥ 6000	72.2	72.9	73.0	73.1	73.2	73.2	73.3	73.3	73.3	73.5	73.5	73.5	73.6	73.7	73.8	73.9
≥ 5000	75.3	76.1	76.3	76.3	76.5	76.5	76.6	76.6	76.6	76.7	76.8	76.8	76.9	77.0	77.1	77.2
≥ 4500	76.7	77.5	77.7	77.8	77.9	78.0	78.0	78.1	78.1	78.2	78.2	78.2	78.3	78.4	78.6	78.6
≥ 4000	79.4	80.3	80.5	80.6	80.9	80.9	81.0	81.1	81.1	81.2	81.2	81.3	81.4	81.4	81.6	81.7
≥ 3500	81.9	81.9	82.1	82.3	82.5	82.6	82.6	82.7	82.7	82.9	82.9	82.9	83.1	83.1	83.3	83.3
≥ 3000	83.2	84.5	84.8	84.9	85.2	85.3	85.4	85.5	85.5	85.7	85.7	85.7	85.9	85.9	86.1	86.2
≥ 2500	83.9	85.4	85.7	85.9	86.3	86.4	86.5	86.6	86.6	86.8	86.8	86.9	87.0	87.1	87.3	87.3
≥ 2000	84.7	86.4	86.8	86.9	87.4	87.5	87.7	87.8	87.9	88.0	88.1	88.1	88.3	88.3	88.5	88.6
≥ 1800	84.9	86.7	87.1	87.2	87.7	87.8	88.0	88.1	88.2	88.4	88.4	88.5	88.6	88.7	88.9	88.9
≥ 1500	85.3	87.1	87.6	87.8	88.3	88.4	88.6	88.8	88.9	89.1	89.1	89.2	89.3	89.4	89.6	89.7
≥ 1200	85.8	88.0	88.5	88.7	89.3	89.4	89.7	89.9	90.0	90.2	90.2	90.3	90.4	90.5	90.7	90.8
≥ 1000	86.3	88.7	89.3	89.6	90.5	90.6	91.0	91.2	91.3	91.6	91.6	91.7	91.8	91.9	92.1	92.2
≥ 900	86.5	89.1	89.7	90.0	90.9	91.0	91.4	91.6	91.8	92.0	92.1	92.1	92.3	92.4	92.6	92.6
≥ 800	86.6	89.3	90.0	90.3	91.3	91.4	91.7	92.1	92.3	92.6	92.6	92.7	92.8	92.9	93.1	93.2
≥ 700	86.9	89.7	90.4	90.7	91.7	91.9	92.2	92.6	92.8	93.1	93.2	93.3	93.4	93.5	93.7	93.8
≥ 600	87.2	90.1	90.8	91.2	92.3	92.5	92.9	93.3	93.5	93.9	94.1	94.1	94.3	94.4	94.6	94.6
≥ 500	87.5	90.7	91.4	91.9	93.1	93.3	93.8	94.3	94.6	95.2	95.4	95.4	95.7	95.8	96.0	96.0
≥ 400	87.6	90.9	91.7	92.2	93.6	93.8	94.4	95.1	95.4	96.1	96.4	96.5	96.7	96.8	97.2	97.2
≥ 300	87.7	91.1	92.0	92.7	94.2	94.4	95.1	95.9	96.3	97.1	97.5	97.6	98.0	98.2	98.5	98.6
≥ 200	87.7	91.2	92.1	92.8	94.3	94.6	95.3	96.2	96.6	97.5	98.0	98.1	98.7	99.0	99.5	99.7
≥ 100	87.7	91.2	92.1	92.8	94.4	94.6	95.4	96.3	96.7	97.6	98.1	98.2	98.8	99.3	99.7	100.0
≥ 0	87.7	91.2	92.1	92.8	94.4	94.6	95.4	96.3	96.7	97.6	98.1	98.2	98.8	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 14
STATION

FAIRCHILD AFB WA
STATION NAME

75-79
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	61.1 64.4	61.1 64.6	61.2 64.7	61.2 64.7	61.2 64.7	61.2 64.7	61.2 64.7	61.2 64.7	61.2 64.7	61.2 64.7	61.2 64.7	61.2 64.7	61.2 64.7	61.2 64.7	61.2 64.8	61.3 64.8	61.3 64.9
≥ 18000 ≥ 16000	65.7 66.4	65.8 66.6	65.9 66.7	65.9 66.7	65.9 66.7	65.9 66.7	65.9 66.7	65.9 66.7	65.9 66.7	65.9 66.7	65.9 66.7	65.9 66.7	65.9 66.7	65.9 66.7	66.0 66.8	66.1 66.8	66.1 66.9
≥ 14000 ≥ 12000	68.2 70.1	68.3 70.2	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3	68.6 70.4	68.6 70.4	68.7 70.6
≥ 10000 ≥ 9000	74.3 76.3	74.4 76.6	74.7 76.8	74.8 76.9	74.8 76.9	74.8 76.9	74.8 76.9	74.8 76.9	74.8 76.9	74.8 76.9	74.8 76.9	74.8 76.9	74.8 76.9	74.8 76.9	74.9 77.0	74.9 77.0	75.0 77.1
≥ 8000 ≥ 7000	78.9 81.1	79.1 81.3	79.3 81.6	79.4 81.7	79.4 81.7	79.4 81.7	79.4 81.7	79.4 81.7	79.4 81.7	79.4 81.7	79.4 81.7	79.4 81.7	79.4 81.7	79.4 81.7	79.6 81.8	79.6 81.8	79.7 81.9
≥ 6000 ≥ 5000	83.6 86.4	83.8 86.7	84.1 86.9	84.1 87.1	84.1 87.1	84.1 87.1	84.1 87.2	84.1 87.2	84.1 87.2	84.1 87.2	84.1 87.2	84.1 87.2	84.1 87.2	84.1 87.2	84.2 87.3	84.2 87.3	84.3 87.4
≥ 4500 ≥ 4000	87.1 89.6	87.3 90.0	87.6 90.2	87.8 90.4	87.8 90.4	87.8 90.4	87.9 90.6	87.9 90.6	87.9 90.6	87.9 90.6	87.9 90.6	87.9 90.6	87.9 90.6	87.9 90.6	88.0 90.7	88.0 90.7	88.1 90.8
≥ 3500 ≥ 3000	90.4 91.6	91.1 92.1	91.2 92.3	91.4 92.6	91.4 92.6	91.4 92.6	91.6 92.7	91.6 92.7	91.6 92.7	91.6 92.7	91.6 92.7	91.6 92.7	91.6 92.7	91.6 92.7	91.7 92.8	91.7 92.8	91.8 92.9
≥ 2500 ≥ 2000	92.0 92.6	92.6 93.1	92.8 93.3	93.0 93.6	93.0 93.6	93.0 93.6	93.1 93.7	93.1 93.7	93.1 93.7	93.1 93.7	93.1 93.7	93.1 93.7	93.1 93.7	93.1 93.7	93.2 93.8	93.2 93.8	93.3 93.9
≥ 1800 ≥ 1500	92.9 93.1	93.4 93.9	93.7 94.2	93.9 94.4	93.9 94.4	93.9 94.4	94.0 94.6	94.0 94.6	94.0 94.6	94.0 94.6	94.0 94.6	94.0 94.6	94.0 94.6	94.0 94.6	94.1 94.8	94.1 94.8	94.2 94.9
≥ 1200 ≥ 1000	93.2 93.7	94.2 94.9	94.6 95.2	94.8 95.4	94.8 95.6	94.8 95.6	94.9 95.7	94.9 95.7	95.0 95.7	95.0 95.7	95.0 95.7	95.0 95.7	95.0 95.7	95.0 95.7	95.1 95.9	95.1 95.9	95.2 96.0
≥ 900 ≥ 800	93.9 94.1	95.1 95.2	95.4 95.6	95.7 95.8	95.8 95.9	95.8 95.9	95.9 96.0	95.9 96.0	96.0 96.1	96.0 96.1	96.0 96.1	96.0 96.1	96.0 96.1	96.0 96.1	96.1 96.2	96.1 96.2	96.2 96.3
≥ 700 ≥ 600	94.3 95.0	95.7 96.4	96.0 96.8	96.2 97.0	96.3 97.1	96.3 97.1	96.4 97.2	96.4 97.2	96.6 97.3	96.6 97.3	96.6 97.3	96.6 97.3	96.6 97.3	96.6 97.3	96.7 97.4	96.7 97.4	96.8 97.6
≥ 500 ≥ 400	95.3 95.3	97.1 97.1	97.6 97.7	97.8 97.9	97.9 98.0	98.0 98.2	98.1 98.3	98.1 98.3	98.2 98.4	98.2 98.4	98.4 98.7	98.4 98.9	98.4 98.9	98.4 98.9	98.6 99.0	98.6 99.0	98.7 99.1
≥ 300 ≥ 200	95.3 95.3	97.2 97.3	97.8 97.9	98.0 98.1	98.1 98.3	98.3 98.6	98.4 98.8	98.4 98.8	98.6 99.0	98.7 99.1	98.9 99.3	98.9 99.6	98.9 99.6	98.9 99.6	99.1 99.6	99.2 99.7	99.2 100.0
≥ 100 0	95.3 95.3	97.3 97.3	97.9 97.9	98.1 98.1	98.3 98.3	98.6 98.6	98.8 98.8	98.8 99.0	99.0 99.1	99.1 99.3	99.3 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.7 99.7	99.7 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24:14
STATION

FAIRCHILD AFB WA

STATION NAME

75-79

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥½	≥0
NO CEILING	54.2	54.6	54.6	54.7	55.1	55.2	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.6	56.4
≥20000	58.8	59.3	59.3	59.4	59.7	59.8	59.8	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.3	61.1
≥18000	59.3	59.7	59.7	59.8	60.2	60.3	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.7	61.5
≥16000	60.6	61.1	61.1	61.2	61.5	61.6	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	62.1	62.8
≥14000	62.3	63.3	63.3	63.4	63.7	63.8	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.3	65.1
≥12000	65.6	66.1	66.1	66.2	66.5	66.6	66.6	66.7	66.9	66.9	66.9	66.9	66.9	66.9	67.1	67.9
≥10000	69.9	70.3	70.3	70.4	70.7	70.9	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.3	72.1
≥9000	71.5	72.2	72.2	72.3	72.6	72.7	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.2	74.0
≥8000	75.4	76.1	76.1	76.2	76.5	76.6	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	77.1	77.9
≥7000	77.9	78.5	78.5	78.6	79.0	79.1	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.5	80.3
≥6000	80.2	80.9	80.9	81.0	81.3	81.4	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.9	82.6
≥5000	83.3	84.1	84.1	84.2	84.5	84.6	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.9
≥4500	84.5	85.3	85.3	85.5	85.9	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.4	87.2
≥4000	86.9	87.7	87.7	87.9	88.2	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.8	89.5
≥3500	87.7	88.4	88.4	88.7	89.0	89.1	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.5	90.3
≥3000	84.7	89.6	89.8	90.0	90.3	90.4	90.4	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.9	91.7
≥2500	89.5	90.3	90.3	90.5	90.9	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.4	92.2
≥2000	89.8	90.7	90.7	90.9	91.3	91.4	91.4	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.9	92.7
≥1800	89.9	90.9	90.9	91.1	91.5	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	92.1	92.9
≥1500	90.7	91.2	91.3	91.5	92.0	92.1	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.5	93.3
≥1200	90.2	91.5	91.7	91.9	92.3	92.4	92.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.9	93.7
≥1000	90.5	91.9	92.0	92.2	92.7	92.8	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.2	94.0
≥900	90.8	92.1	92.2	92.4	92.9	93.0	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.4	94.2
≥800	91.1	92.5	92.7	92.9	93.3	93.4	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.9	94.7
≥700	91.3	92.9	93.2	93.4	94.0	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.5	95.3
≥600	91.7	93.7	94.1	94.4	95.2	95.3	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.8	96.6
≥500	92.3	94.4	94.9	95.2	96.0	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.6	97.3
≥400	92.9	95.3	95.8	96.1	96.9	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.6	98.3
≥300	92.9	95.7	96.1	96.4	97.2	97.3	97.6	97.7	97.8	97.9	98.0	98.0	98.0	98.0	98.2	99.0
≥200	92.9	95.7	96.1	96.4	97.2	97.3	97.8	97.9	98.1	98.2	98.3	98.3	98.3	98.4	98.8	99.6
≥100	92.9	95.7	96.1	96.4	97.2	97.3	97.8	97.9	98.1	98.2	98.3	98.3	98.3	98.4	98.8	99.6
0	92.9	95.7	96.1	96.4	97.2	97.3	97.8	97.9	98.1	98.2	98.3	98.3	98.3	98.4	98.8	99.6

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-0600
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2
NO CEILING	49.1	49.5	49.7	49.8	50.1	50.1	50.1	50.1	50.2	50.2	50.2	50.2	50.3	50.3	50.9
≥ 20000	52.3	52.7	52.9	53.1	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.7	53.7	54.4
≥ 18000	53.5	53.9	54.2	54.3	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.9	54.9	55.6
≥ 16000	54.5	54.9	55.2	55.3	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7	56.0	56.0	56.6
≥ 14000	56.5	57.1	57.2	57.3	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7	58.0	58.0	58.6
≥ 12000	60.0	60.4	60.6	60.7	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.5	61.5	62.2
≥ 10000	64.8	65.3	65.5	65.6	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.4	66.4	67.1
≥ 9000	66.3	66.7	67.0	67.1	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.9	67.9	68.5
≥ 8000	69.5	70.0	70.2	70.3	70.7	70.7	70.7	70.7	70.9	70.9	70.9	70.9	71.1	71.1	71.7
≥ 7000	73.6	74.1	74.3	74.4	74.9	74.9	74.9	75.0	75.1	75.1	75.1	75.1	75.3	75.3	76.0
≥ 6000	75.3	75.8	76.1	76.1	76.5	76.5	76.5	76.6	76.8	76.8	76.8	76.8	77.0	77.0	77.6
≥ 5000	78.5	79.1	79.2	79.3	79.8	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.2	80.2	80.9
≥ 4500	79.9	80.4	80.8	80.9	81.3	81.3	81.3	81.4	81.5	81.5	81.5	81.5	81.8	81.8	82.4
≥ 4000	82.4	83.1	83.4	83.5	84.0	84.0	84.0	84.1	84.2	84.2	84.2	84.2	84.4	84.4	85.1
≥ 3500	83.0	83.6	84.2	84.3	84.8	84.8	84.8	84.9	85.0	85.0	85.0	85.0	85.2	85.2	85.9
≥ 3000	83.9	84.5	85.1	85.2	85.7	85.7	85.7	85.8	85.9	85.9	85.9	85.9	86.1	86.1	86.8
≥ 2500	84.9	85.5	86.1	86.2	86.7	86.7	86.7	86.8	86.9	87.0	87.0	87.0	87.2	87.2	87.9
≥ 2000	85.1	85.8	86.3	86.4	87.0	87.0	87.0	87.1	87.2	87.3	87.3	87.3	87.5	87.5	88.2
≥ 1800	85.2	86.0	86.5	86.7	87.2	87.2	87.2	87.3	87.4	87.5	87.5	87.5	87.8	87.8	88.4
≥ 1500	85.7	86.4	87.1	87.2	87.8	87.8	87.8	87.9	88.0	88.1	88.1	88.1	88.3	88.3	89.0
≥ 1200	86.1	87.2	88.0	88.1	88.7	88.7	88.7	88.8	88.9	89.0	89.0	89.0	89.2	89.2	89.9
≥ 1000	86.9	88.3	89.1	89.3	89.9	89.9	89.9	90.0	90.1	90.3	90.3	90.3	90.5	90.5	91.2
≥ 900	87.4	89.1	89.9	90.1	90.7	90.7	90.7	90.8	90.9	91.1	91.1	91.1	91.3	91.3	92.0
≥ 800	87.9	89.8	90.5	90.8	91.3	91.3	91.3	91.4	91.5	91.8	91.8	91.8	92.0	92.0	92.7
≥ 700	88.0	90.1	90.9	91.2	92.3	92.3	92.4	92.5	92.7	93.0	93.0	93.0	93.2	93.2	93.9
≥ 600	88.4	90.6	91.7	92.1	93.2	93.2	93.4	93.5	93.7	94.1	94.1	94.1	94.2	94.2	94.9
≥ 500	88.7	91.4	92.7	93.2	94.5	94.5	94.8	94.9	95.1	95.3	95.3	95.3	95.5	95.5	96.2
≥ 400	89.1	91.7	92.2	93.5	95.1	95.1	95.3	95.4	95.6	96.1	96.1	96.1	96.3	96.3	97.0
≥ 300	89.1	91.9	93.3	94.0	95.7	95.8	96.1	96.4	96.6	97.3	97.3	97.3	97.6	97.6	98.7
≥ 200	89.1	91.9	93.3	94.0	95.7	95.8	96.1	96.6	96.7	97.4	97.4	97.4	97.7	97.7	99.0
≥ 100	89.1	91.9	93.3	94.0	95.7	95.8	96.1	96.6	96.7	97.4	97.4	97.4	97.7	97.7	100.0
≥ 0	89.1	91.9	93.3	94.0	95.7	95.8	96.1	96.6	96.7	97.4	97.4	97.4	97.7	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2424
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3900-1106
HOURS-YEARS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	49.6	51.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 20000	55.1	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 18000	55.9	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	56.2	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 14000	57.8	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 12000	61.3	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 10000	66.7	67.2	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	68.1	68.7	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 8000	72.5	72.6	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 7000	74.1	74.7	75.3	75.4	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 6000	75.8	76.3	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000	77.6	78.2	78.6	78.6	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 4500	79.1	79.6	80.1	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4000	81.9	82.6	82.9	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	83.3	84.1	84.6	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000	87.0	87.8	88.2	88.2	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	88.1	89.0	89.4	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	88.9	89.9	90.3	90.3	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1800	88.9	89.9	90.3	90.3	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1500	89.8	91.1	91.6	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1200	90.9	92.4	93.0	93.0	93.1	93.1	93.3	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6
≥ 1000	92.4	94.6	95.2	95.6	95.8	95.8	96.0	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2
≥ 900	92.7	94.8	95.4	95.8	96.0	96.0	96.2	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4
≥ 800	92.8	95.0	95.8	96.2	96.6	96.6	96.8	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0
≥ 700	92.9	95.2	96.0	96.4	96.8	96.8	97.0	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2
≥ 600	93.2	95.8	96.6	97.1	97.6	97.6	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0
≥ 500	93.2	96.2	97.2	98.1	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
≥ 400	93.4	96.9	97.9	98.8	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 300	93.4	96.9	97.9	98.8	99.3	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	93.4	96.9	97.9	98.8	99.3	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	93.4	96.9	97.9	98.8	99.3	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 200

5372

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24.14 FAIRCHILD AFB WA

70-79

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS -131

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥0
NO CEILING	35.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 20000	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 18000	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 16000	47.4	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 14000	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 12000	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 10000	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 9000	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 8000	57.3	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 7000	59.0	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 6000	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 5000	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 4500	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4000	79.2	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	85.6	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3000	91.3	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2500	92.4	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2000	93.4	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1800	93.8	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500	94.3	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	94.9	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	95.1	97.3	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1
≥ 900	95.2	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 800	95.6	98.1	98.3	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 700	95.7	98.2	98.4	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 600	95.0	98.5	98.8	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
≥ 500	96.1	98.8	99.0	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 400	96.3	99.1	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	96.3	99.1	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	96.3	99.1	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	96.3	99.1	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	96.3	99.1	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5-16	≥¼	≥0
NO CEILING	37.4	37.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥20000	46.8	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥18000	47.8	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 16000	49.3	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 14000	51.2	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 12000	54.7	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 10000	58.9	59.2	59.4	59.4	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 9000	60.1	60.4	60.7	60.7	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 8000	63.4	63.8	64.0	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 7000	68.0	68.3	68.6	68.6	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 6000	70.9	71.2	71.4	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 5000	76.7	77.0	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500	80.6	80.9	81.1	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4000	86.7	87.0	87.2	87.2	87.3	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 3500	89.7	89.7	89.9	89.9	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 3000	93.4	94.0	94.2	94.2	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 2500	94.7	95.3	95.6	95.6	95.7	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 2000	95.1	95.8	96.0	96.0	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1800	95.4	96.1	96.3	96.3	96.4	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1500	95.7	96.3	96.5	96.7	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1200	96.0	96.8	97.0	97.1	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1000	96.1	97.1	97.3	97.4	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900	96.1	97.1	97.3	97.4	97.9	97.9	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 800	96.2	97.2	97.4	97.6	98.0	98.0	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	96.3	97.6	97.8	97.9	98.3	98.3	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	96.3	97.9	98.1	98.3	98.8	98.8	98.8	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	96.4	98.1	98.3	98.6	99.1	99.1	99.1	99.3	99.3	99.4	99.5	99.6	99.7	99.7	99.7	99.7
IV 400	96.4	98.1	98.3	98.6	99.1	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8
IV 300	96.4	98.1	98.3	98.6	99.1	99.1	99.2	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9
IV 200	96.4	98.1	98.3	98.6	99.1	99.1	99.2	99.4	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0
IV 100	96.4	98.1	98.3	98.6	99.1	99.1	99.3	99.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	96.4	98.1	98.3	98.6	99.1	99.1	99.3	99.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

75124
STATION

FAIRCHILD AFB WA
STATION NAME

75-79
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 18000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 16000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 12000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 10000	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 9000	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 7000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 6000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 5000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4500	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3500	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000	94.6	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2500	94.6	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2000	95.2	95.9	95.9	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800	95.2	95.9	96.0	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500	95.3	96.1	96.2	96.2	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	95.7	96.4	96.6	96.6	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	95.8	96.6	96.7	96.7	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	95.8	96.6	96.7	96.7	97.1	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	95.9	96.8	96.9	97.0	97.4	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	96.0	96.9	97.1	97.1	97.6	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	96.7	97.6	97.7	97.8	98.2	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	96.8	97.9	98.1	98.3	99.1	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	96.9	98.0	98.2	98.4	99.2	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	96.9	98.0	98.2	98.4	99.2	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	96.9	98.0	98.2	98.4	99.2	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	96.9	98.0	98.2	98.4	99.2	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	96.9	98.0	98.2	98.4	99.2	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04-14 FAIRCHILD AFB MA

75-79

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 18000	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 16000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 14000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 12000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 10000	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0
IV 9000	77.3	77.3	77.3	77.3	77.3	77.3	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0
IV 8000	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 7000	84.1	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 6000	85.3	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 5000	88.8	89.1	89.1	89.1	89.2	89.2	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 4500	91.6	91.2	91.2	91.2	91.3	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 4000	92.8	93.4	93.4	93.4	93.6	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 3500	93.6	94.3	94.3	94.3	94.4	94.4	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 3000	94.2	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 2500	94.7	95.8	95.8	95.8	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 2000	95.1	96.2	96.2	96.2	96.3	96.3	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1800	95.1	96.2	96.2	96.2	96.3	96.3	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1500	95.1	96.3	96.3	96.3	96.4	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	95.4	96.8	96.8	96.8	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000	95.7	97.2	97.3	97.3	97.7	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 900	95.8	97.3	97.4	97.4	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	95.8	97.4	97.5	97.5	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700	95.8	97.4	97.5	97.5	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600	96.0	97.8	97.9	97.9	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500	96.0	97.9	98.4	98.4	98.8	98.8	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 400	96.2	98.2	98.8	98.8	99.1	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	96.3	98.3	99.0	99.0	99.3	99.3	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	96.3	98.6	99.2	99.2	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	96.3	98.6	99.2	99.2	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	96.3	99.5	99.2	99.2	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 11:51

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	50.2	50.4	50.5	50.5	50.6	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.9
≥ 20000	56.5	56.7	56.8	56.8	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.3
≥ 18000	57.3	57.5	57.6	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9	58.1
≥ 16000	58.2	58.4	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.8	59.0
≥ 14000	59.9	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.6	60.8
≥ 12000	62.9	63.1	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.6	63.8
≥ 10000	67.1	67.4	67.5	67.5	67.6	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	68.0
≥ 9000	68.4	68.7	68.9	68.9	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.4
≥ 8000	71.8	72.1	72.2	72.2	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.7
≥ 7000	74.8	75.1	75.3	75.3	75.4	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.8	76.0
≥ 6000	77.1	77.4	77.6	77.6	77.7	77.7	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.1	78.3
≥ 5000	80.8	81.2	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	82.1
≥ 4500	82.6	83.1	83.2	83.3	83.4	83.4	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.8	84.0
≥ 4000	86.3	86.8	87.0	87.0	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.6
≥ 3500	88.2	88.8	89.1	89.1	89.2	89.2	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.6	89.8
≥ 3000	90.6	91.3	91.5	91.6	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.2
≥ 2500	91.4	92.2	92.4	92.5	92.6	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.9	93.1	93.2
≥ 2000	91.9	92.7	92.9	93.0	93.2	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.5	93.7	93.8
≥ 1800	92.1	92.9	93.1	93.2	93.4	93.4	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.7	93.9	94.0
≥ 1500	92.4	93.4	93.6	93.7	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.4	94.5
≥ 1200	92.8	94.0	94.3	94.4	94.6	94.7	94.7	94.8	94.8	94.9	94.9	94.9	94.9	95.0	95.2	95.3
≥ 1000	93.3	94.7	95.1	95.2	95.6	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.9	96.1	96.3
≥ 900	93.5	95.0	95.3	95.5	95.8	95.8	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.2	96.4	96.5
≥ 800	93.7	95.3	95.6	95.8	96.2	96.2	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.6	96.9
≥ 700	93.8	95.5	95.9	96.1	96.5	96.6	96.7	96.7	96.8	96.9	96.9	96.9	96.9	97.0	97.2	97.3
≥ 600	94.2	96.1	96.4	96.7	97.2	97.2	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.7	97.9	98.0
≥ 500	94.4	96.5	97.0	97.4	97.9	98.0	98.1	98.2	98.2	98.4	98.4	98.4	98.4	98.5	98.7	98.8
≥ 400	94.6	96.8	97.4	97.7	98.3	98.4	98.6	98.6	98.7	98.8	98.9	98.9	98.9	99.0	99.2	99.3
≥ 300	94.6	96.9	97.5	97.9	98.5	98.6	98.8	98.9	98.9	99.1	99.2	99.2	99.2	99.3	99.4	99.7
≥ 200	94.6	96.9	97.5	97.9	98.5	98.6	98.9	99.0	99.1	99.3	99.4	99.4	99.4	99.5	99.8	100.0
≥ 100	94.6	96.9	97.5	97.9	98.5	98.6	98.9	99.0	99.1	99.3	99.4	99.4	99.4	99.5	99.8	100.0
≥ 0	94.6	96.9	97.5	97.9	98.5	98.6	98.9	99.0	99.1	99.3	99.4	99.4	99.4	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7198

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

78-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING ≥ 20000	65.7	55.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 18000	71.3	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 16000	72.3	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 14000	73.1	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 12000	74.0	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 10000	75.5	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 9000	79.8	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 8000	82.8	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 7000	86.2	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 6000	89.5	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 5000	91.3	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 4500	92.4	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 4000	93.3	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 3500	94.7	94.9	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 3000	95.4	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 2500	96.2	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 2000	96.8	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1800	97.0	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1600	97.0	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1400	97.1	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200	97.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	97.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	97.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 800	97.4	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	97.4	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	97.6	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	97.8	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	98.0	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	98.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	98.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	98.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	98.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

G300-0500
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	59.5	59.9	67.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.5	60.5
≥ 20000	64.7	65.2	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.8	65.9
≥ 18000	65.7	66.1	66.2	66.2	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.8	66.9
≥ 16000	66.7	67.1	67.2	67.2	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.7	67.8
≥ 14000	68.3	68.7	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.4	69.5
≥ 12000	71.1	71.5	71.6	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.9	72.2	72.3
≥ 10000	76.2	76.7	76.8	76.8	76.9	76.9	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.2	77.4	77.5
≥ 9000	78.0	78.4	78.5	78.5	78.6	78.6	78.6	78.7	78.7	78.8	78.8	78.8	78.8	78.9	79.1	79.2
≥ 8000	81.3	81.7	81.8	81.8	82.0	82.0	82.0	82.2	82.2	82.3	82.3	82.3	82.3	82.4	82.6	82.7
≥ 7000	84.8	85.3	85.4	85.4	85.6	85.6	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.9	86.1	86.2
≥ 6000	86.3	86.8	86.9	86.9	87.1	87.1	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.4	87.6	87.7
≥ 5000	88.6	89.0	89.1	89.1	89.4	89.4	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.7	89.9	90.0
≥ 4500	89.7	90.2	90.3	90.3	90.5	90.5	90.5	90.6	90.6	90.8	90.8	90.8	90.8	90.9	91.1	91.2
≥ 4000	90.1	90.6	90.9	90.9	91.1	91.1	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.6	91.7
≥ 3500	91.9	91.6	91.7	91.7	91.9	91.9	91.9	92.0	92.0	92.2	92.2	92.2	92.2	92.3	92.5	92.6
≥ 3000	92.2	93.0	93.1	93.1	93.3	93.3	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.7	93.9	94.0
≥ 2500	93.0	94.2	94.3	94.3	94.5	94.5	94.5	94.6	94.6	94.7	94.7	94.7	94.7	94.8	95.1	95.2
≥ 2000	93.1	94.4	94.5	94.5	94.7	94.7	94.7	94.9	94.9	95.1	95.1	95.1	95.1	95.2	95.4	95.5
≥ 1800	93.1	94.4	94.5	94.5	94.7	94.7	94.7	94.9	94.9	95.1	95.1	95.1	95.1	95.2	95.4	95.5
≥ 1500	94.1	95.5	95.6	95.6	95.9	95.9	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.3	96.6	96.7
≥ 1200	94.5	96.3	96.5	96.5	96.8	96.8	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.2	97.4	97.5
≥ 1000	94.5	96.8	96.9	96.9	97.2	97.2	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.6	97.8	98.0
≥ 900	94.8	96.8	96.9	96.9	97.2	97.2	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.6	97.8	98.0
≥ 800	95.1	97.0	97.1	97.1	97.4	97.4	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.8	98.1	98.2
≥ 700	95.3	97.2	97.3	97.3	97.6	97.6	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.1	98.3	98.4
≥ 600	95.4	97.3	97.4	97.4	97.8	97.8	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.5	98.6
≥ 500	95.5	97.4	97.5	97.5	98.0	98.0	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.6	98.7
≥ 400	95.7	97.7	98.0	98.0	98.5	98.5	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.9	99.1	99.2
≥ 300	95.7	97.7	98.0	98.0	98.5	98.5	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.9	99.2	99.4
≥ 200	95.7	97.7	98.0	98.0	98.5	98.5	98.6	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.7	99.8
≥ 100	95.7	97.7	98.0	98.0	98.5	98.5	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.4	99.9
≥ 0	95.7	97.7	98.0	98.0	98.5	98.5	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.4	99.9

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2414
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	58.3	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	59.0
≥ 20000	63.7	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.5
≥ 18000	64.3	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.2
≥ 16000	64.6	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.5
≥ 14000	66.1	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.7	66.8	66.8	66.9	66.9	66.9	67.0
≥ 12000	69.7	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.4	70.5	70.5	70.6	70.6	70.6	70.8
≥ 10000	74.7	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.7	75.8	75.8	75.9	75.9	75.9	76.0
≥ 9000	75.9	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.9	77.3	77.3	77.3	77.1	77.1	77.2
≥ 8000	79.2	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.4	80.4	80.5	80.5	80.5	80.6
≥ 7000	82.2	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.2	83.3	83.3	83.4	83.4	83.4	83.5
≥ 6000	83.8	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.8	84.9	84.9	85.1	85.1	85.1	85.2
≥ 5000	86.1	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.1	87.2	87.2	87.3	87.3	87.3	87.4
≥ 4500	86.3	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.6	87.7	87.7	87.8	87.8	87.8	88.0
≥ 4000	87.4	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.9	89.0	89.0	89.1	89.1	89.1	89.2
≥ 3500	87.8	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.4	89.5	89.5	89.6	89.6	89.6	89.7
≥ 3000	88.9	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.5	90.6	90.6	90.8	90.8	90.8	90.9
≥ 2500	89.2	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.6	91.7	91.7	91.8	91.8	91.8	91.9
≥ 2000	89.2	91.4	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.8	91.9	91.9	92.0	92.0	92.0	92.2
≥ 1800	89.2	91.5	91.7	91.8	91.9	91.9	91.9	91.9	91.9	92.0	92.2	92.2	92.3	92.3	92.3	92.4
≥ 1500	89.3	91.9	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.5	92.6	92.6	92.7	92.7	92.7	92.8
≥ 1200	90.3	93.2	93.4	93.5	93.8	93.8	93.8	93.8	93.8	93.9	94.0	94.0	94.1	94.1	94.1	94.2
≥ 1000	91.2	94.3	94.5	94.6	94.8	94.8	94.8	94.8	94.8	94.9	95.1	95.1	95.2	95.2	95.2	95.3
≥ 900	91.5	94.7	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.4	95.5	95.5	95.6	95.6	95.6	95.7
≥ 800	91.7	95.1	95.3	95.4	95.6	95.6	95.6	95.6	95.7	95.7	95.8	95.9	95.9	96.0	96.0	96.1
≥ 700	92.0	95.4	95.6	95.8	96.0	96.0	96.0	96.1	96.1	96.2	96.3	96.3	96.5	96.5	96.5	96.6
≥ 600	92.4	95.7	96.1	96.2	96.6	96.6	96.6	96.7	96.7	96.8	97.0	97.0	97.1	97.1	97.1	97.2
≥ 500	92.4	96.0	96.3	96.6	97.0	97.0	97.0	97.1	97.1	97.2	97.4	97.4	97.5	97.5	97.5	97.6
≥ 400	92.5	96.3	96.7	96.9	97.3	97.3	97.4	97.6	97.6	97.7	98.0	98.1	98.2	98.2	98.2	98.3
≥ 300	92.5	96.5	96.8	97.0	97.5	97.5	97.7	98.0	98.3	98.3	98.5	98.8	98.9	99.0	99.0	99.5
≥ 200	92.5	96.5	96.8	97.0	97.5	97.7	98.2	98.5	98.5	98.7	99.1	99.2	99.5	99.5	99.6	100.0
≥ 100	92.5	96.5	96.8	97.0	97.5	97.7	98.2	98.5	98.5	98.7	99.1	99.2	99.5	99.5	99.6	100.0
≥ 0	92.5	96.5	96.8	97.0	97.5	97.7	98.2	98.5	98.5	98.7	99.1	99.2	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24-14
STATION

FAIRCHILD AFB WA
STATION NAME

75-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LST

CEILING 'FEET'	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 20000	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 16000	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 12000	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 10000	72.1	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 9000	72.8	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	74.9	75.3	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 7000	77.0	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 6000	78.5	78.8	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 5000	79.0	79.9	80.1	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 4500	81.1	81.2	81.4	81.4	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 4000	82.7	84.0	84.2	84.2	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3500	85.6	87.0	87.2	87.2	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3000	88.4	90.0	90.2	90.2	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2500	90.1	91.9	92.1	92.1	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000	90.7	92.6	92.8	92.8	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1800	91.0	92.8	93.0	93.1	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1500	92.0	93.9	94.2	94.3	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	93.2	95.7	96.0	96.1	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1000	93.5	96.3	96.7	96.8	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	93.9	97.0	97.3	97.4	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	94.1	97.7	98.1	98.2	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	94.3	98.3	98.7	98.8	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	94.3	98.4	98.8	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	94.3	98.5	98.9	99.0	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	94.3	98.5	98.9	99.0	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	94.3	98.5	98.9	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	94.3	98.5	98.9	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	94.3	98.5	98.9	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	94.3	98.5	98.9	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

75-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 18000	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 16000	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 14000	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 12000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 10000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 9000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 8000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 7000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 6000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 5000	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4500	79.1	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4000	84.1	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3500	89.5	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 3000	94.1	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	95.9	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	96.5	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1800	96.5	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500	96.8	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	97.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	97.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	98.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AID WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24-14
STATION

FAIRCHILD AFB WA
STATION NAME

77-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS UT

CEILING -FEET-	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	48.5	48.7	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 20000	59.7	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 18000	61.5	61.7	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 16000	62.7	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 14000	64.1	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 12000	64.5	64.8	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 10000	68.4	68.6	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 9000	70.9	71.1	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 8000	73.4	73.7	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 7000	77.0	77.5	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 6000	79.1	79.5	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 5000	84.1	84.5	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 4500	85.8	85.4	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 4000	89.3	90.3	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3500	91.6	92.3	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000	94.6	95.6	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2500	95.4	96.3	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 2000	96.1	97.3	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	96.4	97.6	98.1	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1500	96.6	98.1	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	96.9	98.4	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	96.9	98.4	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	96.9	98.5	98.9	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	96.9	98.6	99.0	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	97.1	98.7	99.1	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	97.0	98.7	99.1	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	97.1	98.8	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.1	98.8	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.1	98.8	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.1	98.8	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.1	98.8	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.1	98.8	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

928

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

72-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	56.5	56.9	56.9	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 20000	67.2	67.5	67.5	67.6	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 18000	68.1	68.3	68.3	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 16000	69.3	69.6	69.6	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 14000	71.4	71.7	71.7	71.8	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 12000	73.5	73.8	73.8	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 10000	78.5	79.1	79.1	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000	79.5	80.0	80.0	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 8000	82.7	83.3	83.3	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 7000	86.0	86.5	86.5	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 6000	87.2	87.7	87.7	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 5000	90.5	91.0	91.0	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 4500	91.7	92.2	92.2	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 4000	93.1	93.5	93.5	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 3500	94.1	94.7	94.7	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 3000	95.3	96.1	96.1	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2500	95.7	96.9	97.1	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	95.9	97.2	97.3	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1800	96.0	97.3	97.4	97.6	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	96.1	97.4	97.5	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	96.2	97.5	97.7	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	96.9	98.3	98.4	98.6	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	96.9	98.3	98.4	98.6	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	96.9	98.6	98.7	98.9	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	96.9	98.7	98.8	99.0	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	96.9	99.0	99.1	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	97.1	99.2	99.4	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.1	99.2	99.4	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.1	99.2	99.4	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.1	99.2	99.4	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.1	99.2	99.4	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.1	99.2	99.4	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

0414
STATION

FAIRCHILD AFB WA
STATION NAME

75-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	64.1	64.7	64.7	64.7	64.7	64.7	54.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	70.5	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 18000	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	71.2	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 14000	73.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 12000	76.1	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 10000	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 9000	82.8	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 8000	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
≥ 7000	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3
≥ 6000	91.5	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2
≥ 5000	93.5	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4
≥ 4500	94.5	95.2	95.2	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5
≥ 4000	95.4	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4
≥ 3500	96.1	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2
≥ 3000	96.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
≥ 2500	96.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9
≥ 2000	96.9	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3
≥ 1800	96.9	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3
≥ 1500	97.1	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7
≥ 1200	97.1	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥ 1000	97.3	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 900	97.3	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 800	97.3	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 700	97.3	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 600	97.3	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 500	97.3	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 400	97.3	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 300	97.3	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 200	97.3	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 100	97.3	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 0	97.3	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS

926

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2414
STATION

FAIRCHILD AFB WA
STATION NAME

75-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	56.7	57.0	57.3	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2
≥ 20000	54.3	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8
≥ 18000	65.2	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7
≥ 16000	65.9	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4
≥ 14000	67.5	67.8	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1
≥ 12000	69.7	70.3	70.1	70.1	70.3	70.3	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3
≥ 10000	74.2	74.6	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9
≥ 9000	75.9	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.6
≥ 8000	78.8	79.2	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5
≥ 7000	81.9	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.7
≥ 6000	83.4	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2
≥ 5000	86.3	86.5	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.3
≥ 4500	87.6	88.2	88.3	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6
≥ 4000	89.6	90.3	90.5	90.5	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.8
≥ 3500	91.4	92.1	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6
≥ 3000	93.2	94.1	94.3	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6
≥ 2500	94.1	95.2	95.4	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7
≥ 2000	94.4	95.7	95.9	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3
≥ 1800	94.5	95.8	96.0	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4
≥ 1500	94.9	96.3	96.5	96.6	96.7	96.6	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	97.0
≥ 1200	95.4	97.0	97.2	97.3	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7
≥ 1000	95.7	97.5	97.7	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2
≥ 900	95.8	97.7	97.9	97.9	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4
≥ 800	95.9	98.3	98.2	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.7
≥ 700	96.1	98.1	98.4	98.4	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 600	96.2	98.4	98.6	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 500	96.2	98.5	98.8	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
≥ 400	96.3	98.7	98.9	99.0	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 300	96.3	98.7	98.9	99.0	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8
≥ 200	96.3	98.7	98.9	99.0	99.3	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.9
≥ 100	96.3	98.7	98.9	99.0	99.3	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.9	100.0
≥ 0	96.3	98.7	98.9	99.0	99.3	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7430

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

0414
STATION

FAIRCHILD AFB WA
STATION NAME

69-73
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0
NO CEILING	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 20000	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 18000	75.9	75.9	76.1	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 16000	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 14000	78.4	78.4	79.6	79.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 12000	81.2	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 10000	86.6	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 9000	87.7	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 8000	89.9	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 7000	92.1	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 6000	93.6	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 5000	94.4	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 4500	95.1	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 4000	95.9	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 3500	96.1	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	96.8	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	97.0	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 2000	97.3	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800	97.3	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	97.4	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	97.6	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	97.6	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	97.6	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	97.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	97.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	98.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	98.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	98.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	98.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	98.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0320-0500
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.15	≥.10	≥.05	≥0
NO CEILING	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 20000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	70.1
≥ 18000	71.1	71.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.3
≥ 16000	73.9	73.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.1
≥ 14000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.7
≥ 12000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.8
IV 10000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.0
IV 9000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.2
IV 8000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.2
IV 7000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.3
IV 6000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.3
IV 5000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.1
IV 4500	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.7
IV 4000	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.4
IV 3500	94.6	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.2
IV 3000	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.3
IV 2500	94.9	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.7
IV 2000	95.2	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.0
IV 1800	95.2	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.0
IV 1500	95.4	95.8	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.2
IV 1200	95.7	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.4
IV 1000	96.2	96.6	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.1
IV 900	96.2	96.6	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.1
IV 800	96.6	97.0	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7
IV 700	97.2	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4
IV 600	97.3	97.9	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.6
IV 500	97.4	98.1	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.9
IV 400	97.6	98.3	98.3	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.4
IV 300	97.6	98.6	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.9
IV 200	97.6	98.6	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.9
IV 100	97.6	98.6	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0
IV 0	97.6	98.6	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 8-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5380

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24124
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼
NO CEILING	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.8	62.8
≥ 20000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.6	67.6
≥ 18000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.9	67.9
≥ 16000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.6	68.6
≥ 14000	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.1	70.1
≥ 12000	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	75.0	75.0
≥ 10000	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.3	80.3
≥ 9000	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.6	82.7	82.7
≥ 8000	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.6	85.6
≥ 7000	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.2	87.2
≥ 6000	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.1	89.1
≥ 5000	90.2	90.4	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.9	90.9
≥ 4500	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 4000	91.9	92.3	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.9	92.9
≥ 3500	92.1	92.6	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.2	93.3	93.3
≥ 3000	92.3	92.8	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.4	93.6	93.6
≥ 2500	92.4	92.9	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.6	93.7	93.7
≥ 2000	92.8	93.4	93.7	93.7	93.9	93.9	93.9	93.9	93.9	94.1	94.1	94.1	94.2	94.3	94.3
≥ 1800	92.8	93.6	93.8	93.9	94.1	94.1	94.1	94.1	94.1	94.3	94.3	94.3	94.4	94.6	94.6
≥ 1500	92.8	93.7	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.4	94.4	94.4	94.6	94.7	94.7
≥ 1200	93.7	94.6	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.4	95.6	95.6
≥ 1000	94.6	95.4	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.3	96.3	96.3	96.4	96.6	96.6
≥ 900	94.8	95.7	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.6	96.6	96.6	96.7	96.8	96.8
≥ 800	95.2	96.1	96.4	96.6	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.3	97.4	97.4
≥ 700	95.4	96.3	96.7	96.8	97.3	97.3	97.3	97.3	97.3	97.6	97.7	97.7	97.8	97.9	97.9
≥ 600	95.8	96.7	97.0	97.1	97.7	97.7	97.7	97.7	97.7	97.9	98.0	98.0	98.1	98.2	98.2
≥ 500	95.9	96.9	97.3	97.4	98.0	98.0	98.0	98.0	98.0	98.2	98.3	98.3	98.4	98.6	98.6
≥ 400	95.9	97.1	97.6	97.7	98.6	98.6	98.6	98.6	98.6	98.8	98.9	98.9	99.0	99.1	99.1
≥ 300	95.9	97.3	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.3	99.4	99.4	99.6	99.7	99.7
≥ 200	95.9	97.6	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.3	99.4	99.4	99.6	99.7	99.7
≥ 100	95.9	97.6	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.3	99.4	99.4	99.6	99.7	99.7
≥ 0	95.9	97.6	98.0	98.1	99.1	99.1	99.1	99.1	99.1	99.3	99.4	99.4	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 980

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 20000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 18000	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 16000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 14000	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 12000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 10000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 9000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 8000	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 7000	83.8	83.9	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 6000	85.7	86.0	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 5000	87.4	88.3	88.4	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4500	88.7	89.6	89.7	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 4000	90.2	91.1	91.3	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 3500	91.3	92.2	92.4	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000	94.2	95.1	95.4	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2500	94.6	95.4	95.8	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2000	95.4	96.3	96.7	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	95.4	96.4	96.8	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	95.8	96.8	97.1	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200	96.1	97.4	97.8	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	96.9	98.3	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	96.9	98.3	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	97.1	98.7	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	97.1	98.7	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	97.1	98.7	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	97.1	98.7	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	97.1	98.8	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	97.1	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.1	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.1	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.1	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 20000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 18000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 16000	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 14000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 12000	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 10000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 9000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 8000	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 7000	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 6000	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 5000	83.8	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4500	86.9	87.2	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 4000	91.2	91.7	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 3500	93.8	94.2	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 3000	96.2	96.7	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2500	97.0	97.4	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2000	97.7	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	97.8	98.3	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	98.2	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	98.4	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.6	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	98.6	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	98.8	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	98.8	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	98.8	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.8	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.8	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.8	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.8	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.8	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.8	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114 FAIRCHILD AFB WA
STATION STATION NAME

69-78
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	56.7	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 20000	65.8	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 18000	66.8	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 16000	67.2	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 14000	69.7	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 12000	72.9	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 10000	77.1	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000	79.4	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 8000	82.1	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 7000	84.1	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 6000	85.7	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 5000	88.7	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4500	90.4	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 4000	94.6	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 3500	95.8	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	96.8	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2500	97.4	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000	97.9	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	98.2	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	98.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

0014
STATION

FAIRCHILD AFB WA

STATION NAME

69-78

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥20000	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥18000	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥16000	72.4	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥14000	74.8	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥12000	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥10000	84.3	84.3	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥9000	86.4	86.4	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥8000	88.4	88.4	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥7000	92.2	92.2	92.4	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥6000	93.8	93.9	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥5000	95.2	95.3	95.7	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥4500	95.8	95.9	96.2	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥4000	97.1	97.2	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥3500	97.9	98.1	98.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥3000	98.1	98.3	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥2500	98.4	98.7	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥2000	98.6	98.8	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥1800	98.6	98.8	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥1500	98.7	98.9	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1200	98.7	98.9	99.3	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥1000	98.8	99.0	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥900	98.8	99.0	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥800	98.8	99.0	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥700	98.8	99.0	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥600	98.8	99.0	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥500	98.8	99.0	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	98.8	99.0	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	98.8	99.0	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	98.8	99.0	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	98.8	99.0	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	98.8	99.0	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	68.9	69.1	69.1	69.3	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 20000	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 18000	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 16000	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 14000	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 12000	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 10000	84.4	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 9000	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 8000	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 7000	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 6000	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 5000	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 4500	96.2	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 4000	96.9	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 3500	97.1	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 3000	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2500	97.9	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 1800	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	98.2	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	98.2	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	98.2	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	98.2	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	98.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

29114
STATION

FAIRCHILD AFB WA
STATION NAME

67-78
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2
≥ 20000	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1
≥ 18000	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7
≥ 16000	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4
≥ 14000	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5
≥ 12000	75.7	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 10000	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9
≥ 9000	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1
≥ 8000	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7
≥ 7000	87.5	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9
≥ 6000	89.2	89.4	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7
≥ 5000	91.0	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7
≥ 4500	92.1	92.5	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9
≥ 4000	94.0	94.5	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3500	94.8	95.3	95.5	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8
≥ 3000	95.8	96.4	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8
≥ 2500	96.2	96.8	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000	96.6	97.2	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8
≥ 1800	96.7	97.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.9
≥ 1500	96.9	97.6	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1
≥ 1200	97.1	97.8	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	97.4	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 900	97.5	98.2	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 800	97.7	98.5	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 700	97.8	98.7	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
≥ 600	97.9	98.8	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 500	97.9	98.8	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 400	97.9	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 300	97.9	99.0	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
≥ 200	97.9	99.0	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
≥ 100	97.9	99.0	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0
≥ 0	97.9	99.0	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	78.4	78.7	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 20000	81.8	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 18000	81.9	82.3	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 16000	82.3	82.6	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 14000	83.7	84.7	84.7	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 12000	87.2	87.5	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 10000	92.3	92.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 9000	93.5	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 8000	95.6	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 7000	97.3	97.5	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 6000	97.7	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 5000	98.7	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 4500	98.4	99.7	99.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4000	98.6	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 3500	98.7	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3000	98.7	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2500	98.7	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2000	98.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	98.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	98.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	98.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	98.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	98.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	98.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114 FAIRCHILD AFB WA

69-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (EST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥5	≥0
NO CEILING	71.7	71.8	71.8	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.2	72.2	72.3	72.3	72.4	72.4
≥ 20000	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.9	75.9	76.0	76.0	76.1	76.1
≥ 18000	75.7	75.8	75.8	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.2	76.2	76.3	76.3
≥ 16000	76.3	76.5	76.5	76.5	76.6	76.6	76.6	76.7	76.7	76.7	76.8	76.8	76.9	76.9	77.0	77.0
≥ 14000	78.2	78.3	78.3	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.7	78.7	78.8	78.8
≥ 12000	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.9	82.9	83.0	83.0	83.1	83.1
≥ 10000	88.0	88.2	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.5	88.5	88.6	88.6	88.7	88.7
≥ 9000	89.6	89.8	89.8	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.1	90.1	90.2	90.2	90.3	90.3
≥ 8000	91.9	92.2	92.2	92.2	92.3	92.3	92.3	92.4	92.4	92.4	92.5	92.5	92.6	92.6	92.7	92.7
≥ 7000	93.7	93.9	93.9	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.3	94.3	94.4	94.4
≥ 6000	94.7	94.9	94.9	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.3	95.3	95.4	95.4	95.5	95.5
≥ 5000	96.1	96.5	96.5	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.9	96.9	97.0	97.0	97.1	97.1
≥ 4500	96.7	97.0	97.1	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.4	97.4	97.5	97.5	97.6	97.6
≥ 4000	97.2	97.5	97.6	97.6	97.7	97.7	97.7	97.8	97.8	97.8	98.0	98.0	98.1	98.1	98.2	98.2
≥ 3500	97.2	97.5	97.6	97.6	97.7	97.7	97.7	97.8	97.8	97.8	98.0	98.0	98.1	98.1	98.2	98.2
≥ 3000	97.4	97.7	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5
≥ 2500	97.5	97.8	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.6
≥ 2000	97.5	98.0	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.6	98.6	98.7	98.7
≥ 1800	97.7	98.3	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.9	98.9	99.0	99.0
≥ 1500	97.7	98.3	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.9	98.9	99.0	99.0
≥ 1200	97.7	98.5	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.1	99.1	99.2	99.2
≥ 1000	97.8	98.6	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.3	99.3	99.4	99.4
≥ 900	97.8	98.6	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.3	99.3	99.4	99.4
≥ 800	97.8	98.6	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.3	99.3	99.4	99.4
≥ 700	98.0	98.7	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.5	99.5
≥ 600	98.1	98.9	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.8	99.8
≥ 500	98.1	98.9	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.8	99.8
≥ 400	98.2	99.0	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.9	99.9
≥ 300	98.2	99.0	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.9	100.0
≥ 200	98.2	99.0	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.9	100.0
≥ 100	98.2	99.0	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.9	100.0
≥ 0	98.2	99.0	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥5	≥0
NO CEILING	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9
≥ 20000	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6
≥ 18000	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2
≥ 16000	77.8	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.1
≥ 14000	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4
≥ 12000	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5
≥ 10000	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6
≥ 9000	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4
≥ 8000	92.1	92.2	92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6
≥ 7000	94.1	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5
≥ 6000	95.0	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5
≥ 5000	95.9	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6
≥ 4500	96.0	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4000	96.0	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3500	96.0	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	96.7	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	96.7	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	96.7	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	96.7	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	96.9	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200	97.2	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	97.3	97.8	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	97.4	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	97.5	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	97.7	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	98.1	99.0	99.0	99.1	99.1	99.2	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	98.1	99.0	99.0	99.1	99.1	99.2	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	98.1	99.0	99.0	99.1	99.1	99.2	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	98.1	99.0	99.0	99.1	99.1	99.2	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9
≥ 200	98.1	99.0	99.0	99.1	99.1	99.2	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.9	100.0
≥ 100	98.1	99.0	99.0	99.1	99.1	99.2	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.9	100.0
≥ 0	98.1	99.0	99.0	99.1	99.1	99.2	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2014
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (EST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5 16	≥5	≥0
NO CEILING	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 20000	78.5	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 18000	78.9	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 16000	79.4	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 14000	81.2	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 12000	84.2	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 10000	89.3	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 9000	90.1	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 8000	92.1	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 7000	93.9	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 6000	94.5	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 5000	95.3	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 4500	95.3	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 4000	95.9	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 3500	96.3	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 3000	96.8	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2500	97.1	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2000	97.7	98.1	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	97.8	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1500	98.4	98.7	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	98.8	99.1	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	98.9	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	98.9	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	98.9	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	98.9	99.4	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	98.9	99.4	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	98.9	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.9	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.9	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.9	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.9	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.9	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

59-78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	71.1	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 20000	78.3	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 18000	79.4	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 16000	80.3	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 14000	80.3	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 12000	83.2	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 10000	85.8	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 9000	86.5	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 8000	88.7	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 7000	90.6	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 6000	91.9	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 5000	94.6	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 4500	95.5	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 4000	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3500	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000	97.5	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2500	98.3	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 2000	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.8	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	98.9	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	99.0	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.1	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
JSAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

2114
STATION

FAIRCHILD AFB WA
STATION NAME

69-72
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥20000	79.7	83.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥18000	83.8	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥16000	81.2	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥14000	82.2	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥12000	85.7	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥10000	88.5	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥9000	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥8000	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥7000	92.8	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥6000	94.4	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥5000	96.3	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥4500	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥4000	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥3500	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥3000	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥2500	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥2000	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1800	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1500	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1200	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥1000	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥900	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥800	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥700	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥600	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥500	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥400	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥300	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥200	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥100	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥0	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 936

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

24114 FAIRCHILD AFB AA

59-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥1	≥½	≥½	≥½	≥½	≥½	≥0
NO CEILING	75.5	75.9	76.1	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 20000	52.0	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 18000	53.1	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 16000	54.1	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 14000	55.5	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000	59.6	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	92.6	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 9000	93.4	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 8000	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 7000	95.1	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 6000	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 5000	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 4500	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 4000	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	98.4	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2500	98.4	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2000	98.6	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	98.6	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	98.6	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	98.6	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	98.7	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	98.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 20000	82.8	83.7	83.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 18000	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 16000	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 14000	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 12000	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 10000	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 9000	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 8000	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 7000	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 6000	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 5000	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 4500	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 4000	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 3500	98.0	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 3000	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2500	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	74.4	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.3	74.8	74.8	74.8	74.8
≥ 20000	79.4	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8
IV 18000	87.1	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5
IV 16000	87.7	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 14000	82.1	82.3	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 12000	85.6	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 10000	89.5	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
IV 9000	90.5	90.7	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 8000	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 7000	94.2	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7
IV 6000	95.2	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
IV 5000	96.4	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
IV 4500	96.8	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
IV 4000	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 3500	97.5	97.9	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 3000	97.8	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
IV 2500	98.0	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
IV 2000	98.2	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	98.2	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
IV 1500	98.3	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200	98.4	99.0	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	98.5	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	98.5	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	98.6	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
IV 700	98.6	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
IV 600	98.7	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
IV 500	98.7	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	98.7	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 300	98.7	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 200	98.7	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 100	98.7	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	98.7	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7438

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2414 FAIRCHILD AFB WA
STATION STATION NAME

69-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3000-0200
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥20000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥18000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥16000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥14000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥12000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥10000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥9000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥8000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥7000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥6000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥5000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥4500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥4000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥3500	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥3000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥2500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥2000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥1800	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥1500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥1200	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1000	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥900	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥800	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥700	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥600	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥500	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥400	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥300	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥200	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥100	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5
≥ 20000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.9	79.9	79.9	79.9	79.9
≥ 18000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.3	80.3	80.3	80.3	80.3
≥ 16000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.5	80.5	80.5	80.5	80.5
≥ 14000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.7	81.7	81.7	81.7	81.7
≥ 12000	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.8	85.8	85.8	85.8	85.8
≥ 10000	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.4	90.4	90.4	90.4	90.4
≥ 9000	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.5	91.5	91.5	91.5	91.5
≥ 8000	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3
≥ 7000	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.7	93.7	93.7	93.7	93.7
≥ 6000	94.5	94.6	94.6	94.6	94.6	94.6	94.7	94.8	94.8	94.8	94.8	95.1	95.1	95.1	95.1	95.1
≥ 5000	95.7	95.8	95.8	95.8	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2
≥ 4500	96.1	96.2	96.2	96.2	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7
≥ 4000	96.8	97.1	97.1	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5
≥ 3500	97.0	97.2	97.2	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6
≥ 3000	97.2	97.4	97.4	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8
≥ 2500	97.3	97.5	97.5	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0
≥ 2000	97.4	97.8	98.0	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4
≥ 1800	97.4	97.8	98.0	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4
≥ 1500	97.4	97.8	98.0	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4
≥ 1200	97.6	98.1	98.2	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6
≥ 1000	98.0	98.5	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0	99.1	99.1
≥ 900	98.1	98.5	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0	99.1	99.1
≥ 800	98.0	98.5	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0	99.1	99.1
≥ 700	98.0	98.5	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0	99.1	99.1
≥ 600	98.1	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0	99.1	99.1
≥ 500	98.1	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0	99.1	99.1
≥ 400	98.3	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2
≥ 300	98.3	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2
≥ 200	98.3	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2
≥ 100	98.3	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2
≥ 0	98.3	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24514
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 20000	79.4	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 18000	79.8	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 16000	79.8	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 14000	80.8	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 12000	84.1	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 10000	88.8	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 9000	89.8	89.9	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 8000	91.9	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 7000	92.5	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 6000	92.9	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 5000	93.5	94.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 4500	94.0	94.4	94.4	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 4000	94.5	95.4	95.5	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 3500	94.5	95.5	95.5	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 3000	94.6	95.7	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 2500	94.6	95.8	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2000	94.7	96.0	96.1	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1800	94.7	96.0	96.1	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1500	95.2	96.6	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1200	95.7	97.1	97.2	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1000	96.2	97.6	97.7	97.8	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	96.2	97.6	97.8	98.0	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	96.2	97.8	98.1	98.2	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	96.2	97.8	98.1	98.2	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	96.2	98.0	98.2	98.3	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	96.2	98.1	98.4	98.6	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	96.2	98.1	98.4	98.6	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	96.2	98.1	98.4	98.6	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	96.2	98.1	98.4	98.6	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	96.2	98.1	98.4	98.6	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	96.2	98.1	98.4	98.6	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24814
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5-16	≥¼
NO CEILING	75.4	75.8	76.3	76.0	76.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 20000	80.8	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 18000	81.1	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 16000	81.3	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 14000	83.3	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 12000	84.9	85.5	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 10000	88.2	88.7	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 9000	88.9	89.5	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 8000	90.5	91.1	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 7000	91.6	92.3	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 6000	92.2	92.8	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 5000	92.3	92.9	93.1	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 4500	92.5	93.1	93.3	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 4000	93.1	93.8	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3500	93.1	93.8	94.0	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 3000	94.0	94.7	94.9	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500	94.4	95.2	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2000	94.8	95.7	95.9	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	94.8	95.7	95.9	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	95.2	96.5	96.7	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	95.6	97.0	97.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	95.9	97.5	98.1	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	96.0	97.6	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	96.1	97.7	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	96.1	97.8	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	96.1	97.8	98.4	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	96.1	97.8	98.4	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	96.1	98.0	98.5	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	96.1	98.0	98.5	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	96.1	98.0	98.5	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	96.1	98.0	98.5	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	96.1	98.0	98.5	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS - LST.

CEILING -FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 20000	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 18000	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 16000	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 14000	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 12000	82.0	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 10000	84.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 9000	86.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 8000	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 7000	87.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 6000	88.3	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 5000	90.4	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4500	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 4000	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3500	94.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3000	96.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 2500	97.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 2000	97.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800	97.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500	97.5	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	97.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	97.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2414
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥5-16	≥0
NO CEILING	75.6	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 20000	81.4	81.6	81.7	81.7	81.8	81.9	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 18000	81.9	82.2	82.3	82.3	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 16000	82.3	82.7	82.8	82.8	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 14000	82.9	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 12000	84.2	84.5	84.7	84.7	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 10000	86.3	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 9000	88.2	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 8000	89.2	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 7000	90.2	91.0	91.1	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 6000	91.2	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 5000	94.3	95.3	95.2	95.2	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 4500	95.1	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 4000	96.3	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3500	97.1	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 3000	97.7	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	97.3	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 2000	98.1	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	98.1	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	98.3	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	98.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

5391

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	78.7	79.0	79.1	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 20000	83.5	84.0	84.0	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 18000	84.1	84.5	84.5	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 16000	84.6	85.1	85.2	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 14000	85.2	85.6	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 12000	88.1	88.4	88.5	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 10000	90.3	90.8	90.9	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 9000	91.1	91.5	91.6	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 8000	92.4	93.0	93.1	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 7000	94.1	94.5	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 6000	95.5	95.9	96.0	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 5000	97.4	97.8	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 4500	97.5	98.0	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 4000	98.2	98.6	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 3500	98.3	98.8	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	98.5	99.0	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2500	98.5	99.1	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2000	98.8	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.8	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.8	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.8	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.8	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.8	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.8	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.8	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.8	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.8	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.8	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.8	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.8	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.8	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.8	99.4	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	80.8	80.9	80.9	80.9	80.9	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 20000	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 18000	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 16000	84.7	84.8	84.9	84.9	84.9	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 14000	85.1	86.2	86.5	86.5	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 12000	88.2	88.3	88.5	88.5	88.5	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 10000	91.4	91.5	91.7	91.7	91.7	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 9000	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 8000	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 7000	96.1	96.2	96.5	96.5	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 6000	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 5000	97.5	97.6	97.8	97.8	97.8	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4500	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 4000	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 3500	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	98.6	98.7	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2500	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2414
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	77.3	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 20000	81.2	81.4	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 18000	81.6	81.8	81.8	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 16000	81.9	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4
≥ 14000	83.1	83.3	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 12000	85.6	85.8	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 10000	88.6	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 9000	90.1	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 8000	91.3	91.6	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 7000	92.6	93.0	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 6000	93.5	93.9	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 5000	94.9	95.3	95.4	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 4500	95.3	95.7	95.8	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 4000	96.2	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1
≥ 3500	96.5	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000	97.1	97.7	97.8	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2500	97.2	97.9	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2000	97.4	98.2	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1800	97.4	98.2	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	97.6	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	97.8	98.7	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	97.9	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	97.9	98.9	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	98.0	99.0	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	98.1	99.0	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 600	98.0	99.0	99.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 500	98.0	99.0	99.2	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 400	98.0	99.1	99.3	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	98.0	99.1	99.3	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200	98.0	99.1	99.3	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	98.0	99.1	99.3	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	98.0	99.1	99.3	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

0114 FAIRCHILD AFB WA

69-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS -131

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	75.1	75.1	75.4	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 20000	77.4	77.6	77.9	78.1	78.3	78.3	78.3	78.3	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 18000	77.9	78.1	78.3	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 16000	78.1	78.2	78.6	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 14000	79.7	79.8	80.1	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 12000	81.3	81.4	81.8	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 10000	85.4	85.6	85.9	86.0	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 9000	88.2	88.3	88.7	88.8	88.8	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 8000	90.9	91.0	91.3	91.4	91.4	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 7000	92.2	92.3	92.7	92.8	92.8	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 6000	92.3	92.4	92.8	92.9	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 5000	93.8	94.1	94.3	94.4	94.4	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 4500	94.2	94.6	95.1	95.1	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 4000	94.9	95.2	95.7	95.8	95.8	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 3500	95.3	95.8	96.2	96.3	96.3	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 3000	95.7	96.1	96.6	96.7	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2500	96.0	96.4	96.9	97.0	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000	96.1	96.6	97.0	97.2	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	96.1	96.7	97.1	97.3	97.3	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	96.4	97.1	97.6	97.8	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	96.6	97.2	97.7	97.9	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	96.6	97.2	97.7	97.9	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	96.8	97.4	97.9	98.1	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	96.8	97.4	97.9	98.1	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	96.9	97.6	98.1	98.2	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	97.6	98.2	98.7	98.9	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	97.6	98.2	98.7	98.9	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	97.8	98.4	98.9	99.1	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	97.8	98.4	98.9	99.3	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.8	98.4	98.9	99.3	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.8	98.4	98.9	99.3	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.8	98.4	98.9	99.3	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

59-78
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥½	≥¼	≥0
NO CEILING	67.4	67.7	68.7	68.0	68.4	68.4	68.8	68.8	68.8	68.9	69.0	69.0	69.0	69.1	69.2	69.2
≥20000	71.8	71.0	71.3	71.3	71.8	71.8	72.1	72.1	72.1	72.2	72.3	72.3	72.3	72.4	72.6	72.6
≥18000	73.9	71.1	71.4	71.4	71.9	71.9	72.2	72.2	72.2	72.3	72.4	72.4	72.4	72.5	72.7	72.7
≥16000	71.7	71.9	72.2	72.2	72.7	72.7	73.3	73.0	73.0	73.1	73.2	73.2	73.2	73.3	73.4	73.4
≥14000	73.2	73.4	73.8	73.8	74.2	74.2	74.6	74.6	74.6	74.7	74.8	74.8	74.8	74.9	75.0	75.0
≥12000	76.0	76.3	76.7	76.7	77.1	77.1	77.4	77.4	77.4	77.5	77.7	77.7	77.7	77.8	77.9	77.9
≥10000	79.9	80.2	80.6	80.6	81.0	81.0	81.3	81.3	81.3	81.4	81.6	81.6	81.6	81.7	81.8	81.8
≥9000	83.0	83.3	83.7	83.7	84.1	84.1	84.4	84.4	84.4	84.5	84.7	84.7	84.7	84.8	84.9	84.9
≥8000	86.5	86.3	86.7	86.7	87.1	87.1	87.4	87.4	87.4	87.7	87.8	87.8	87.8	87.9	88.1	88.1
≥7000	88.7	89.1	89.3	89.3	89.8	89.8	90.2	90.2	90.2	90.4	90.6	90.6	90.6	90.7	90.9	90.9
≥6000	89.7	90.1	90.3	90.3	90.8	90.8	91.2	91.2	91.2	91.4	91.6	91.6	91.6	91.7	91.9	91.9
≥5000	91.3	91.7	92.1	92.0	92.4	92.4	92.9	92.9	92.9	93.1	93.2	93.2	93.2	93.3	93.6	93.6
≥4500	91.9	92.3	92.7	92.7	93.1	93.1	93.6	93.6	93.6	93.8	93.9	93.9	93.9	94.0	94.2	94.2
≥4000	92.4	92.9	93.2	93.2	93.7	93.7	94.1	94.1	94.1	94.3	94.4	94.4	94.4	94.6	94.8	94.8
≥3500	92.7	93.1	93.4	93.4	93.9	93.9	94.3	94.3	94.3	94.6	94.7	94.7	94.7	94.8	95.0	95.0
≥3000	92.9	93.3	93.7	93.7	94.1	94.1	94.6	94.6	94.6	94.8	94.9	94.9	94.9	95.0	95.2	95.2
≥2500	93.7	94.1	94.4	94.4	94.9	94.9	95.3	95.3	95.3	95.6	95.7	95.7	95.7	95.8	96.0	96.0
≥2000	93.8	94.2	94.6	94.6	95.0	95.0	95.4	95.4	95.4	95.7	95.8	95.8	95.8	95.9	96.1	96.1
≥1800	93.9	94.3	94.7	94.7	95.1	95.1	95.6	95.6	95.6	95.8	95.9	95.9	95.9	96.0	96.2	96.2
≥1500	94.1	94.7	95.0	95.0	95.6	95.6	96.0	96.0	96.0	96.2	96.3	96.3	96.3	96.4	96.7	96.7
≥1200	94.3	94.9	95.2	95.2	95.8	95.8	96.2	96.2	96.2	96.4	96.6	96.6	96.6	96.7	96.9	96.9
≥1000	94.5	95.1	95.4	95.4	96.0	96.0	96.4	96.4	96.4	96.7	96.8	96.8	96.8	96.9	97.1	97.1
≥900	94.9	95.4	95.8	95.8	96.3	96.3	96.8	96.8	96.8	97.0	97.1	97.1	97.1	97.2	97.4	97.4
≥800	94.9	95.4	95.8	95.8	96.3	96.3	96.8	96.8	96.8	97.0	97.1	97.1	97.1	97.2	97.4	97.4
≥700	95.1	95.7	96.0	96.0	96.6	96.6	97.0	97.0	97.0	97.2	97.3	97.3	97.3	97.4	97.7	97.7
≥600	95.6	96.1	96.4	96.4	97.0	97.0	97.4	97.4	97.4	97.7	97.8	97.8	97.8	97.9	98.1	98.1
≥500	95.8	96.4	96.9	96.9	97.4	97.4	97.9	97.9	97.9	98.1	98.2	98.2	98.2	98.3	98.6	98.6
≥400	96.0	96.8	97.2	97.3	98.0	98.0	98.7	98.7	98.7	98.9	99.0	99.0	99.0	99.1	99.4	99.4
≥300	96.1	96.8	97.2	97.7	98.3	98.3	99.0	99.0	99.0	99.2	99.3	99.3	99.3	99.4	99.8	99.8
≥200	96.3	96.8	97.2	97.7	98.4	98.4	99.1	99.1	99.1	99.3	99.4	99.4	99.4	99.6	99.9	99.9
≥100	96.5	96.8	97.2	97.7	98.4	98.4	99.1	99.1	99.1	99.3	99.4	99.4	99.4	99.6	99.9	100.0
≥0	96.5	96.8	97.2	97.7	98.4	98.4	99.1	99.1	99.1	99.3	99.4	99.4	99.4	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14-14 FAIRCHILD AFB WA

69-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0500-0600
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	62.7	64.0	64.1	64.4	64.4	64.4	64.5	64.6	64.6	64.6	64.7	64.8	65.0	65.0	65.2	65.4
≥ 20000	66.5	68.3	68.9	68.7	68.9	68.9	69.0	69.2	69.2	69.2	69.3	69.4	69.5	69.5	69.7	70.1
≥ 18000	67.3	68.7	68.9	69.2	69.3	69.3	69.4	69.6	69.6	69.6	69.7	69.9	70.0	70.0	70.2	70.5
≥ 15000	67.4	68.9	69.0	69.3	69.4	69.4	69.5	69.7	69.7	69.7	69.7	69.9	70.0	70.1	70.3	70.6
≥ 14000	69.1	70.5	70.7	71.2	71.3	71.3	71.4	71.6	71.6	71.6	71.7	71.9	72.0	72.0	72.2	72.5
≥ 12000	73.7	74.7	75.1	75.4	75.5	75.5	75.6	75.9	75.9	75.9	76.0	76.1	76.2	76.2	76.4	76.8
≥ 10000	76.6	78.4	78.5	79.1	79.2	79.2	79.4	79.6	79.6	79.6	79.8	79.9	80.0	80.0	80.2	80.5
≥ 9000	78.2	80.0	80.3	80.6	80.8	80.8	81.0	81.2	81.2	81.2	81.3	81.4	81.5	81.5	81.8	82.1
≥ 8000	81.6	83.6	84.0	84.3	84.4	84.4	84.6	85.0	85.0	85.0	85.1	85.2	85.3	85.3	85.5	85.9
≥ 7000	83.3	85.3	85.7	86.0	86.1	86.1	86.3	86.7	86.7	86.7	86.8	86.9	87.0	87.0	87.2	87.7
≥ 6000	84.4	86.4	86.8	87.3	87.5	87.5	87.8	88.1	88.1	88.1	88.2	88.3	88.4	88.4	88.7	89.1
≥ 5000	86.1	88.1	88.3	88.9	89.1	89.1	89.4	89.8	89.8	89.8	89.8	89.9	90.0	90.1	90.5	91.0
≥ 4500	86.4	88.4	88.8	89.3	89.5	89.5	89.9	90.2	90.2	90.2	90.3	90.4	90.5	90.5	91.0	91.4
≥ 4000	87.2	89.3	89.7	90.2	90.4	90.4	90.8	91.1	91.1	91.1	91.2	91.3	91.4	91.4	91.9	92.3
≥ 3500	87.8	89.9	90.2	90.6	91.0	91.0	91.3	91.7	91.7	91.7	91.8	91.9	92.0	92.0	92.4	92.9
≥ 3000	88.2	90.7	91.2	91.8	92.0	92.0	92.3	92.7	92.7	92.7	92.8	92.9	93.0	93.0	93.4	93.9
≥ 2500	89.0	91.4	92.0	92.5	92.8	92.8	93.1	93.4	93.4	93.4	93.5	93.7	93.8	93.8	94.2	94.7
≥ 2000	89.1	91.5	92.0	92.8	93.0	93.0	93.3	93.7	93.7	93.7	93.8	93.9	94.0	94.0	94.4	94.9
≥ 1800	89.1	91.5	92.1	92.6	93.0	93.0	93.3	93.7	93.7	93.7	93.8	93.9	94.0	94.0	94.4	94.9
≥ 1500	89.2	91.7	92.2	92.9	93.1	93.1	93.4	93.8	93.8	93.8	93.9	94.0	94.1	94.2	94.5	95.0
≥ 1200	90.1	92.5	93.1	93.6	94.0	94.0	94.3	94.7	94.7	94.7	94.8	94.9	95.0	95.0	95.4	95.9
≥ 1000	90.7	93.1	93.8	94.4	94.7	94.7	95.0	95.3	95.3	95.3	95.4	95.6	95.7	95.7	96.1	96.6
≥ 900	90.5	93.3	94.0	94.7	94.9	94.9	95.2	95.6	95.6	95.6	95.7	95.8	95.9	95.9	96.3	96.8
≥ 800	91.5	93.4	94.1	94.9	95.2	95.2	95.7	96.0	96.0	96.0	96.1	96.2	96.3	96.3	96.8	97.2
≥ 700	91.4	93.9	94.5	95.3	95.7	95.7	96.1	96.4	96.4	96.4	96.6	96.7	96.8	96.8	97.2	97.7
≥ 600	91.5	94.0	94.7	95.4	95.8	95.8	96.2	96.6	96.6	96.6	96.7	96.8	96.9	96.9	97.3	97.8
≥ 500	91.7	94.1	94.8	95.7	96.0	96.0	96.4	96.8	96.8	96.8	96.9	97.0	97.1	97.1	97.6	98.0
≥ 400	91.7	94.2	94.9	95.8	96.2	96.2	96.7	97.0	97.0	97.0	97.2	97.3	97.4	97.6	98.1	98.6
≥ 300	91.7	94.2	94.9	95.8	96.6	96.6	97.0	97.4	97.4	97.4	97.7	97.8	97.9	98.0	98.6	99.1
≥ 200	91.7	94.2	94.9	96.0	96.6	96.6	97.0	97.4	97.4	97.4	97.7	97.8	97.9	98.0	98.6	99.7
≥ 100	91.7	94.2	94.9	96.0	96.6	96.6	97.0	97.4	97.4	97.4	97.7	97.8	97.9	98.0	98.6	99.8
≥ 0	91.7	94.2	94.9	96.0	96.6	96.6	97.0	97.4	97.4	97.4	97.7	97.8	97.9	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24734 FAIRCHILD AFB WA
STATION STATION NAME

69-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILE)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥.	≥0
NO CEILING	64.4	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 20000	68.7	69.9	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV ≥ 18000	68.8	70.1	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV ≥ 16000	69.2	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV ≥ 14000	70.9	72.4	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV ≥ 12000	73.8	75.3	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0	76.0
IV ≥ 10000	77.8	79.4	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3
IV ≥ 9000	79.3	81.0	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9
IV ≥ 8000	82.6	84.4	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3
IV ≥ 7000	85.6	87.4	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3
IV ≥ 6000	86.4	88.3	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2
IV ≥ 5000	87.2	89.2	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1
IV ≥ 4500	87.3	89.4	90.0	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4
IV ≥ 4000	88.1	90.3	91.0	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4
IV ≥ 3500	88.9	91.1	91.8	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2
IV ≥ 3000	89.8	92.1	93.0	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6
IV ≥ 2500	90.2	92.9	93.9	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4
IV ≥ 2000	90.8	93.4	94.4	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1
IV ≥ 1800	90.9	93.6	94.6	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2
IV ≥ 1500	91.3	94.2	95.2	95.4	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9
IV ≥ 1200	92.2	95.2	96.2	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9
IV ≥ 1000	92.7	95.7	96.7	96.9	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4
IV ≥ 900	92.7	95.8	96.9	97.1	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7
IV ≥ 800	92.8	96.0	97.2	97.4	97.8	97.8	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0
IV ≥ 700	93.0	96.2	97.6	97.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4
IV ≥ 600	93.2	96.4	97.8	98.2	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0
IV ≥ 500	93.2	96.4	97.8	98.2	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3
IV ≥ 400	93.2	96.4	97.8	98.2	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3
IV ≥ 300	93.2	96.4	97.8	98.2	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9
IV ≥ 200	93.2	96.6	97.9	98.3	99.2	99.2	99.3	99.6	99.6	99.6	99.6	99.8	100.0	100.0	100.0	100.0
IV ≥ 100	93.2	96.6	97.9	98.3	99.2	99.2	99.3	99.6	99.6	99.6	99.6	99.8	100.0	100.0	100.0	100.0
IV ≥ 0	93.2	96.6	97.9	98.3	99.2	99.2	99.3	99.6	99.6	99.6	99.6	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AID WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

2-114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	59.1	63.4	61.1	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 20000	63.4	65.2	66.1	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 18000	63.6	65.3	66.2	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 16000	63.7	65.4	66.3	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 14000	65.3	67.1	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 12000	68.1	70.0	70.9	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 10000	71.6	73.8	74.8	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 9000	73.1	75.3	76.4	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000	75.1	77.4	78.6	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 7000	77.3	79.7	80.8	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 6000	78.2	81.6	81.7	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 5000	81.4	83.9	85.0	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 4500	83.2	85.7	86.8	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 4000	85.3	88.1	89.2	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 3500	87.1	89.9	91.0	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 3000	89.8	92.8	93.9	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 2500	90.8	94.0	95.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2000	92.1	95.7	96.8	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1800	92.2	95.9	97.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1500	92.4	96.1	97.2	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1200	92.7	96.6	97.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	93.0	96.9	98.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	93.1	96.9	98.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	93.1	97.1	98.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	93.1	97.1	98.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	93.1	97.1	98.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	93.1	97.1	98.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	93.1	97.1	98.2	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	93.1	97.1	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	93.1	97.1	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	93.1	97.1	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	93.1	97.1	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 910

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅕	≥0
NO CEILING	62.3	63.7	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 20000	68.9	73.6	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000	69.1	73.8	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	69.3	71.7	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 14000	71.0	72.8	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 12000	73.4	75.4	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 10000	79.0	81.0	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 9000	81.2	83.2	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 8000	84.4	86.6	87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 7000	86.2	88.3	89.2	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 6000	87.6	89.7	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 5000	89.6	91.7	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4500	91.1	93.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 4000	93.0	95.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 3500	93.7	95.8	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 3000	94.6	97.0	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2500	94.7	97.1	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000	95.0	97.4	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800	95.0	97.4	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500	95.1	97.6	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	95.1	97.6	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	95.4	97.9	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	95.4	97.9	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	95.6	98.1	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	95.6	98.1	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	95.6	98.0	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	95.6	98.0	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	95.6	98.0	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	95.6	98.0	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.6	98.0	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.6	98.0	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.6	98.0	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20114
STATION

FAIRCHILD AFB WA
STATION NAME

59-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	68.8	69.4	69.6	69.9	70.1	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 20000	74.3	74.9	75.1	75.4	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 18000	74.2	75.1	75.2	75.7	75.9	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 16000	74.6	75.4	75.6	76.0	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 14000	75.3	76.2	76.3	76.8	77.0	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 12000	77.9	78.8	78.9	79.3	79.6	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 10000	83.0	84.2	84.3	84.8	85.0	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 9000	85.3	86.7	86.8	87.2	87.4	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 8000	89.1	90.7	90.8	91.2	91.4	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 7000	90.8	92.3	92.4	92.9	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 6000	91.8	93.3	93.4	93.9	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 5000	92.4	94.1	94.1	94.6	94.8	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 4500	93.3	95.1	95.1	95.6	95.8	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 4000	94.8	96.4	96.6	97.0	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 3500	95.0	96.7	96.8	97.2	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 3000	95.3	97.2	97.3	97.8	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2500	95.3	97.2	97.3	97.8	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000	95.4	97.3	97.4	97.9	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1800	95.4	97.3	97.4	97.9	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1500	95.7	97.6	97.7	98.1	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1200	95.7	97.6	97.7	98.1	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1000	95.9	97.8	97.9	98.3	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 900	95.9	97.8	97.9	98.3	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	96.1	98.1	98.2	98.7	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	96.0	98.1	98.2	98.7	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	96.1	98.3	98.6	99.0	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	96.1	98.3	98.7	99.1	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	96.1	98.3	98.7	99.1	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	96.1	98.3	98.8	99.2	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	96.1	98.3	98.8	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.1	98.3	98.8	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.1	98.3	98.8	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2414
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	76.1	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 20000	79.6	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 18000	79.9	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 16000	80.3	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 14000	81.0	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 12000	82.2	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 10000	87.6	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 9000	89.6	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 8000	91.1	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 7000	92.3	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 6000	92.6	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 5000	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 4500	94.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 4000	96.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 3500	96.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 3000	97.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2500	97.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000	97.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1800	97.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	97.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	97.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	97.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	97.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	97.4	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	97.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	97.6	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	97.6	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	97.7	99.4	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.7	99.4	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.7	99.4	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (24)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.0
NO CEILING	67.3	67.8	68.1	68.3	68.4	68.4	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.7
≥ 20000	71.2	72.2	72.6	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.2
≥ 18000	71.5	72.5	72.8	73.1	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.5
≥ 16000	71.7	72.8	73.1	73.3	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.8
≥ 14000	73.2	74.3	74.7	74.9	75.0	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.3
≥ 12000	75.7	76.9	77.3	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.0
≥ 10000	80.1	81.4	81.8	82.1	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.6
≥ 9000	82.2	83.5	84.0	84.2	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7
≥ 8000	85.1	86.5	87.1	87.2	87.4	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.8
≥ 7000	87.1	88.5	88.9	89.2	89.3	89.3	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.7	89.7
≥ 6000	87.9	89.3	89.7	90.0	90.2	90.2	90.3	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.6	90.6
≥ 5000	89.5	91.0	91.4	91.7	91.9	91.9	92.0	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.3	92.3
≥ 4500	91.3	91.8	92.3	92.6	92.8	92.8	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.2	93.2
≥ 4000	91.5	93.1	93.6	93.9	94.1	94.1	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.5	94.5
≥ 3500	92.2	93.8	94.3	94.6	94.7	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.2	95.2
≥ 3000	92.9	94.7	95.2	95.6	95.7	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.1	96.1	96.2
≥ 2500	93.3	95.2	95.8	96.1	96.3	96.3	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.7	96.7
≥ 2000	93.7	95.6	96.2	96.5	96.7	96.7	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.2
≥ 1800	93.7	95.7	96.2	96.6	96.8	96.8	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.2	97.2
≥ 1500	93.9	95.9	96.5	96.9	97.1	97.1	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.5	97.5
≥ 1200	94.2	96.3	96.8	97.2	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.9
≥ 1000	94.5	96.6	97.1	97.5	97.7	97.8	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.2	98.2
≥ 900	94.6	96.7	97.3	97.6	97.9	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3
≥ 800	94.7	96.8	97.4	97.8	98.1	98.1	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.5	98.5
≥ 700	94.8	97.1	97.6	98.0	98.2	98.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7
≥ 600	95.0	97.2	97.9	98.3	98.6	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.1
≥ 500	95.1	97.2	97.9	98.4	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2
≥ 400	95.1	97.3	98.0	98.5	98.9	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.4	99.5
≥ 300	95.1	97.3	98.1	98.7	99.1	99.1	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.8
≥ 200	95.1	97.4	98.1	98.7	99.1	99.2	99.4	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.9
≥ 100	95.1	97.4	98.1	98.7	99.1	99.2	99.4	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.8	100.0
≥ 0	95.1	97.4	98.1	98.7	99.1	99.2	99.4	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7199

5397

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24.14
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥10	≥	≥0
NO CEILING	67.7	67.7	67.7	67.1	67.1	67.1	67.5	67.5	67.5	67.7	67.8	68.0	68.2	68.4	68.6	69.7
≥ 20000	68.6	68.6	68.6	68.7	68.7	68.7	69.1	69.1	69.1	69.4	69.6	69.7	69.9	70.1	70.3	71.4
≥ 18000	69.6	69.6	69.6	69.7	69.7	69.7	70.1	70.1	70.1	70.3	70.5	70.6	70.9	71.1	71.3	72.4
≥ 16000	69.9	69.9	69.9	70.0	70.0	70.0	70.4	70.4	70.4	70.6	70.9	71.0	71.2	71.4	71.6	72.7
≥ 14000	72.2	72.2	72.2	72.3	72.3	72.3	72.8	72.8	72.8	73.0	73.2	73.3	73.5	73.8	74.0	75.1
≥ 12000	74.1	74.1	74.1	74.2	74.2	74.2	74.3	74.8	74.8	74.8	75.1	75.3	75.4	75.6	75.8	76.0
≥ 10000	78.2	78.2	78.2	78.3	78.3	78.4	78.9	78.9	78.9	79.1	79.4	79.5	79.7	79.9	80.1	81.3
≥ 9000	80.2	80.2	80.2	80.3	80.3	80.4	81.0	81.0	81.0	81.2	81.4	81.5	81.7	81.9	82.2	83.3
≥ 8000	82.4	82.4	82.4	82.5	82.5	82.6	83.1	83.1	83.1	83.3	83.5	83.7	83.9	84.1	84.3	85.5
≥ 7000	83.5	83.5	83.5	83.7	83.7	83.8	84.3	84.3	84.3	84.5	84.7	84.8	85.1	85.3	85.5	86.7
≥ 6000	85.6	85.6	85.6	85.7	85.7	85.8	86.3	86.3	86.3	86.6	86.8	86.9	87.1	87.3	87.5	88.7
≥ 5000	87.4	87.6	87.7	87.8	88.3	88.1	88.6	88.6	88.6	88.8	89.0	89.1	89.4	89.6	89.8	91.0
≥ 4500	88.7	88.7	88.7	88.8	88.8	88.8	89.2	89.2	89.2	89.5	89.7	89.8	90.0	90.2	90.4	91.6
≥ 4000	89.9	89.2	89.4	89.5	89.6	89.7	90.2	90.2	90.2	90.4	90.6	90.8	91.0	91.2	91.4	92.6
≥ 3500	89.9	89.2	89.4	89.5	89.6	89.7	90.2	90.2	90.2	90.4	90.6	90.8	91.0	91.2	91.4	92.6
≥ 3000	90.3	90.9	91.1	91.2	91.5	91.6	92.2	92.2	92.2	92.4	92.6	92.7	92.9	93.1	93.3	94.5
≥ 2500	90.4	91.0	91.2	91.3	91.6	91.7	92.3	92.3	92.3	92.5	92.7	92.8	93.0	93.2	93.4	94.6
≥ 2000	91.4	91.1	91.3	91.4	91.7	91.8	92.4	92.4	92.4	92.6	92.8	92.9	93.1	93.3	93.5	94.7
≥ 1800	91.6	91.4	91.6	91.9	92.5	92.6	93.1	93.1	93.1	93.3	93.5	93.7	93.9	94.1	94.3	95.5
≥ 1600	91.6	91.4	91.6	91.9	92.5	92.6	93.1	93.1	93.1	93.3	93.5	93.7	93.9	94.1	94.3	95.5
≥ 1400	91.6	91.4	91.6	91.9	92.5	92.6	93.1	93.1	93.1	93.3	93.5	93.7	93.9	94.1	94.3	95.5
≥ 1200	91.6	91.4	91.6	91.9	92.5	92.6	93.1	93.1	93.1	93.3	93.5	93.7	93.9	94.1	94.3	95.5
≥ 1000	91.6	91.4	91.6	91.9	92.5	92.6	93.1	93.1	93.1	93.3	93.5	93.7	93.9	94.1	94.3	95.5
≥ 900	91.6	91.4	91.6	91.9	92.5	92.6	93.1	93.1	93.1	93.3	93.5	93.7	93.9	94.1	94.3	95.5
≥ 800	91.6	91.4	91.6	91.9	92.5	92.6	93.1	93.1	93.1	93.3	93.5	93.7	93.9	94.1	94.3	95.5
≥ 700	91.6	91.4	91.6	91.9	92.5	92.6	93.1	93.1	93.1	93.3	93.5	93.7	93.9	94.1	94.3	95.5
≥ 600	91.6	91.4	91.6	91.9	92.5	92.6	93.1	93.1	93.1	93.3	93.5	93.7	93.9	94.1	94.3	95.5
≥ 500	91.6	91.4	91.6	91.9	92.5	92.6	93.1	93.1	93.1	93.3	93.5	93.7	93.9	94.1	94.3	95.5
≥ 400	91.6	91.4	91.6	91.9	92.5	92.6	93.1	93.1	93.1	93.3	93.5	93.7	93.9	94.1	94.3	95.5
≥ 300	91.6	91.4	91.6	91.9	92.5	92.6	93.1	93.1	93.1	93.3	93.5	93.7	93.9	94.1	94.3	95.5
≥ 200	91.6	91.4	91.6	91.9	92.5	92.6	93.1	93.1	93.1	93.3	93.5	93.7	93.9	94.1	94.3	95.5
≥ 100	91.6	91.4	91.6	91.9	92.5	92.6	93.1	93.1	93.1	93.3	93.5	93.7	93.9	94.1	94.3	95.5
≥ 0	91.6	91.4	91.6	91.9	92.5	92.6	93.1	93.1	93.1	93.3	93.5	93.7	93.9	94.1	94.3	95.5

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7414
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

OC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5 16	≥¼	≥0
NO CEILING	61.3	62.5	62.8	62.9	63.1	63.2	63.2	63.3	63.3	63.4	63.5	63.5	63.8	63.8	64.2	65.2
≥ 20000	65.5	66.1	66.5	66.6	66.8	66.9	66.9	67.0	67.0	67.1	67.2	67.2	67.4	67.4	68.0	68.9
≥ 18000	66.2	66.9	67.2	67.3	67.5	67.6	67.6	67.7	67.7	67.8	68.0	68.0	68.2	68.2	68.7	69.7
≥ 16000	66.7	67.5	67.8	68.0	68.2	68.3	68.3	68.4	68.4	68.5	68.6	68.6	68.8	68.8	69.4	70.3
≥ 14000	68.8	69.5	69.8	70.0	70.2	70.5	70.5	70.6	70.6	70.8	70.9	70.9	71.1	71.1	71.6	72.6
≥ 12000	70.1	70.8	71.1	71.3	71.5	71.8	71.8	71.9	71.9	72.0	72.2	72.2	72.4	72.4	72.9	74.0
≥ 10000	73.4	74.2	74.5	74.7	74.9	75.3	75.3	75.4	75.4	75.5	75.6	75.6	75.8	75.8	76.5	77.5
≥ 9000	76.1	76.9	77.2	77.4	77.6	78.0	78.0	78.1	78.1	78.2	78.3	78.3	78.5	78.5	79.1	80.2
≥ 8000	79.0	79.8	80.1	80.3	80.5	80.9	80.9	81.0	81.0	81.1	81.2	81.2	81.4	81.4	82.0	83.1
≥ 7000	80.4	81.2	81.5	81.7	81.9	82.3	82.3	82.5	82.5	82.7	82.8	82.8	83.0	83.0	83.7	84.7
≥ 6000	81.8	82.6	82.9	83.1	83.3	83.7	83.7	83.9	83.9	84.1	84.2	84.2	84.4	84.4	85.1	86.1
≥ 5000	83.3	84.2	84.5	84.7	84.9	85.3	85.3	85.5	85.5	85.7	85.8	85.8	86.0	86.0	86.7	87.7
≥ 4500	83.8	84.6	84.9	85.2	85.4	85.7	85.7	85.9	85.9	86.1	86.2	86.2	86.5	86.5	87.1	88.2
≥ 4000	85.3	86.2	86.6	86.8	87.0	87.3	87.3	87.5	87.5	87.7	87.8	87.8	88.1	88.1	88.7	89.8
≥ 3500	85.4	86.5	86.9	87.1	87.3	87.6	87.6	87.8	87.8	88.1	88.2	88.2	88.4	88.4	89.0	90.1
≥ 3000	85.8	87.0	87.5	87.7	88.1	88.4	88.5	88.8	88.8	89.0	89.1	89.1	89.4	89.4	90.0	91.1
≥ 2500	87.0	88.2	88.7	88.9	89.4	89.7	89.8	90.1	90.1	90.3	90.4	90.4	90.6	90.6	91.3	92.4
≥ 2000	87.1	88.5	89.0	89.2	89.7	90.0	90.1	90.4	90.4	90.6	90.8	90.8	91.0	91.0	91.6	92.7
≥ 1800	87.2	88.6	89.1	89.4	89.8	90.1	90.2	90.5	90.5	90.8	90.9	90.9	91.1	91.1	91.7	92.8
≥ 1500	87.5	89.2	89.8	90.0	90.4	90.8	91.1	91.4	91.4	91.6	91.7	91.7	91.9	91.9	92.6	93.7
≥ 1200	87.5	89.2	89.8	90.0	90.4	90.8	91.1	91.5	91.5	91.7	91.8	91.8	92.0	92.0	92.7	93.8
≥ 1000	87.7	89.6	90.1	90.3	90.9	91.2	91.5	91.9	91.9	92.2	92.4	92.4	92.8	92.8	93.4	94.5
≥ 900	87.8	89.7	90.2	90.4	91.0	91.3	91.6	92.0	92.0	92.3	92.5	92.5	92.9	92.9	93.5	94.8
≥ 800	88.2	90.2	91.0	91.2	91.8	92.2	92.5	92.9	92.9	93.1	93.3	93.3	93.8	93.8	94.7	96.0
≥ 700	88.3	90.3	91.1	91.3	91.9	92.3	92.6	93.0	93.0	93.2	93.4	93.4	93.9	93.9	94.8	96.1
≥ 600	88.6	90.8	91.5	91.7	92.4	92.7	93.0	93.4	93.4	93.7	93.9	93.9	94.3	94.3	95.3	96.6
≥ 500	88.8	90.9	91.7	91.9	92.6	92.9	93.2	93.7	93.7	93.9	94.1	94.1	94.5	94.5	95.5	96.8
≥ 400	88.6	90.9	91.9	92.2	93.0	93.3	94.1	94.5	94.6	94.9	95.2	95.2	95.7	95.7	96.7	98.0
≥ 300	88.6	90.9	92.2	92.5	93.3	93.7	94.4	94.8	94.9	95.3	95.5	95.5	96.0	96.3	97.3	98.6
≥ 200	88.6	90.9	92.2	92.5	93.3	93.7	94.4	94.8	94.9	95.3	95.5	95.5	96.0	96.3	97.5	98.8
≥ 100	88.6	90.9	92.2	92.5	93.3	93.7	94.4	94.8	94.9	95.3	95.5	95.5	96.0	96.3	97.5	99.8
≥ 0	88.6	90.9	92.2	92.5	93.3	93.7	94.4	94.8	94.9	95.3	95.5	95.5	96.0	96.3	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAL

CEILING VERSUS VISIBILITY

14-14
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-0800
HOURS - EST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15
NO CEILING	52.4	52.9	53.5	53.9	54.1	54.1	54.3	54.5	54.5	54.6	55.1	55.1	55.3	55.4	55.9	56.6
≥ 20000	53.7	55.7	56.3	56.8	57.0	57.1	57.3	57.5	57.5	57.6	58.1	58.2	58.4	58.6	59.1	59.9
≥ 18000	54.5	57.3	58.3	58.4	58.6	58.7	58.9	59.1	59.1	59.2	59.7	59.8	60.0	60.2	60.8	61.5
≥ 16000	54.8	57.6	58.3	58.7	58.9	59.0	59.2	59.5	59.5	59.6	60.0	60.1	60.3	60.5	61.1	61.8
≥ 14000	56.6	59.4	60.3	60.4	60.6	60.8	61.0	61.4	61.4	61.5	62.2	62.3	62.5	62.7	63.3	64.1
≥ 12000	59.9	62.8	63.5	64.2	64.2	64.3	64.5	64.9	64.9	65.1	65.7	65.8	66.0	66.2	66.9	67.6
≥ 10000	65.3	68.4	69.1	69.6	69.8	70.0	70.2	70.8	70.8	71.0	71.7	71.8	72.2	72.4	73.1	73.9
≥ 9000	66.6	69.7	70.4	70.9	71.1	71.3	71.5	72.3	72.3	72.3	73.0	73.1	73.5	73.8	74.5	75.3
≥ 8000	69.1	72.5	73.4	73.9	74.1	74.3	74.5	75.1	75.1	75.3	76.0	76.1	76.6	76.8	77.5	78.3
≥ 700	72.2	75.6	76.5	77.0	77.2	77.4	77.6	78.3	78.3	78.5	79.2	79.4	79.8	80.0	80.8	81.5
≥ 6000	74.3	77.8	78.6	79.0	79.2	79.5	79.7	80.3	80.3	80.5	81.3	81.4	81.8	82.0	82.8	83.5
≥ 5000	75.9	79.5	80.5	81.0	81.3	81.5	81.7	82.5	82.5	82.7	83.4	83.5	84.0	84.2	84.9	85.7
≥ 4500	75.3	81.0	81.1	81.5	81.8	82.0	82.3	83.0	83.0	83.2	84.0	84.1	84.5	84.7	85.5	86.2
≥ 4000	77.6	81.7	82.9	83.4	83.9	84.1	84.3	85.1	85.1	85.3	86.0	86.1	86.6	86.8	87.5	88.3
≥ 3500	78.1	82.2	83.3	83.9	84.3	84.5	84.7	85.5	85.5	85.7	86.5	86.6	87.0	87.2	88.0	88.7
≥ 3000	78.5	82.6	83.8	84.4	84.9	85.2	85.5	86.2	86.2	86.5	87.2	87.3	87.7	88.0	88.7	89.5
≥ 2500	78.8	82.9	84.1	84.7	85.3	85.5	85.8	86.6	86.6	86.8	87.5	87.6	88.1	88.3	89.0	89.8
≥ 2000	79.0	83.1	84.3	84.9	85.6	85.8	86.1	86.9	86.9	87.1	87.8	88.0	88.4	88.6	89.4	90.1
≥ 1800	79.1	83.2	84.4	85.1	85.7	85.9	86.2	87.0	87.0	87.2	88.0	88.1	88.5	88.7	89.5	90.2
≥ 1500	79.1	83.3	84.5	85.2	85.8	86.0	86.3	87.1	87.1	87.3	88.1	88.2	88.6	88.8	89.6	90.3
≥ 1200	79.2	83.5	84.7	85.5	86.1	86.3	86.7	87.4	87.4	87.6	88.4	88.5	88.9	89.1	89.9	90.6
≥ 1000	79.6	84.3	85.6	86.5	87.3	87.5	88.0	88.7	88.8	89.0	89.8	89.9	90.3	90.5	91.3	92.0
≥ 900	79.8	84.5	85.8	86.7	87.6	87.8	88.3	89.0	89.1	89.4	90.2	90.3	90.8	91.0	91.7	92.5
≥ 800	80.0	84.7	86.0	86.9	88.0	88.2	88.6	89.4	89.5	89.7	90.6	90.8	91.2	91.4	92.3	93.1
≥ 700	80.6	85.4	86.9	87.7	88.9	89.1	89.6	90.3	90.4	90.6	91.7	91.8	92.3	92.5	93.4	94.3
≥ 600	80.8	85.5	87.0	87.8	89.0	89.2	89.7	90.4	90.5	90.8	91.9	92.0	92.5	92.7	93.7	94.8
≥ 500	80.9	85.7	87.3	88.3	89.6	89.8	90.3	91.1	91.2	91.6	93.0	93.1	93.5	93.8	94.8	96.3
≥ 400	81.1	86.0	87.6	88.7	90.0	90.2	90.8	91.5	91.6	92.0	93.4	93.7	94.1	94.5	95.8	97.8
≥ 300	81.1	86.0	87.6	88.8	90.1	90.3	90.9	91.6	91.7	92.2	93.5	93.8	94.3	94.8	96.3	99.4
≥ 200	81.1	86.0	87.6	88.8	90.1	90.3	90.9	91.6	91.7	92.2	93.5	93.8	94.3	94.8	96.3	100.0
≥ 100	81.1	86.0	87.6	88.8	90.1	90.3	90.9	91.6	91.7	92.2	93.5	93.8	94.3	94.8	96.3	100.0
≥ 0	81.1	86.0	87.6	88.8	90.1	90.3	90.9	91.6	91.7	92.2	93.5	93.8	94.3	94.8	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24-14
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	51.2	56.5	56.8	57.0	57.0	57.0	57.0	57.1	57.1	57.2	57.2	57.2	57.3	57.3	57.3	57.3
≥ 20000	55.4	60.9	61.2	61.4	61.5	61.6	61.6	61.7	61.7	61.8	61.9	61.9	62.0	62.0	62.2	62.2
≥ 18000	56.2	61.7	62.0	62.3	62.4	62.5	62.5	62.6	62.6	62.7	62.8	62.8	62.9	62.9	63.0	63.0
≥ 16000	56.7	62.2	62.5	62.7	62.8	62.9	62.9	63.0	63.0	63.1	63.2	63.2	63.3	63.3	63.4	63.4
≥ 14000	59.1	64.6	64.9	65.2	65.3	65.4	65.4	65.5	65.5	65.6	65.7	65.7	65.8	65.8	66.0	66.0
≥ 12000	62.6	68.2	68.6	68.9	69.0	69.1	69.1	69.5	69.6	69.7	69.8	69.8	69.9	69.9	70.1	70.1
≥ 10000	66.9	72.6	73.1	73.4	73.7	73.9	73.9	74.2	74.3	74.4	74.5	74.5	74.6	74.6	74.8	74.8
≥ 9000	68.4	74.1	74.5	74.9	75.2	75.4	75.4	75.7	75.8	75.9	76.0	76.0	76.1	76.1	76.3	76.3
≥ 8000	71.6	76.5	76.9	77.4	77.6	77.8	77.8	78.2	78.3	78.4	78.5	78.5	78.6	78.6	78.8	78.8
≥ 7000	73.0	78.8	79.2	79.8	80.0	80.2	80.2	80.5	80.6	80.8	80.9	80.9	81.0	81.0	81.2	81.2
≥ 6000	74.9	81.0	81.4	81.9	82.2	82.4	82.4	82.7	82.8	82.9	83.0	83.0	83.1	83.1	83.3	83.3
≥ 5000	77.0	83.4	83.9	84.4	84.6	84.8	84.8	85.2	85.3	85.4	85.5	85.5	85.6	85.6	85.8	85.8
≥ 4500	77.1	83.7	84.1	84.6	84.8	85.1	85.1	85.4	85.5	85.6	85.7	85.7	85.8	85.8	86.0	86.0
≥ 4000	77.8	84.6	85.1	85.6	85.8	86.1	86.1	86.5	86.7	86.8	86.9	86.9	87.0	87.0	87.2	87.2
≥ 3500	78.1	84.8	85.3	85.9	86.1	86.5	86.5	86.8	87.0	87.1	87.2	87.2	87.3	87.3	87.5	87.5
≥ 3000	79.1	86.2	86.7	87.3	87.5	87.8	88.0	88.3	88.5	88.6	88.7	88.7	88.8	88.8	89.0	89.0
≥ 2500	79.6	86.8	87.2	87.8	88.1	88.4	88.5	88.8	89.0	89.1	89.2	89.2	89.4	89.4	89.6	89.6
≥ 2000	80.1	87.4	87.8	88.5	88.7	89.0	89.1	89.5	89.7	89.8	89.9	89.9	90.0	90.0	90.2	90.2
≥ 1800	80.3	87.6	88.1	88.7	88.9	89.2	89.4	89.7	89.9	90.0	90.1	90.1	90.2	90.2	90.4	90.4
≥ 1500	80.5	88.0	88.4	89.0	89.4	89.7	89.8	90.1	90.3	90.5	90.6	90.6	90.8	90.8	91.0	91.0
≥ 1200	81.0	88.6	89.0	89.7	90.0	90.3	90.4	90.8	91.0	91.2	91.3	91.3	91.4	91.4	91.6	91.6
≥ 1000	81.6	89.9	90.3	91.1	91.4	91.7	91.8	92.3	92.5	92.7	92.8	92.8	92.9	92.9	93.1	93.1
≥ 900	81.7	90.1	90.5	91.4	91.7	92.2	92.3	92.7	92.9	93.2	93.3	93.3	93.4	93.4	93.7	93.7
≥ 800	82.3	91.9	91.4	92.2	92.7	93.1	93.3	93.8	94.0	94.4	94.5	94.5	94.6	94.6	94.8	94.8
≥ 700	82.5	91.1	91.6	92.4	92.9	93.3	93.5	94.0	94.2	94.7	94.8	94.8	94.9	94.9	95.2	95.2
≥ 600	82.5	91.2	91.8	92.6	93.3	93.8	94.0	94.4	94.7	95.3	95.5	95.5	95.6	95.6	95.9	95.9
≥ 500	82.6	91.7	92.5	93.2	94.2	94.6	95.1	95.5	95.8	96.3	96.8	96.8	96.9	96.9	97.3	97.3
≥ 400	82.6	91.8	92.6	93.4	94.6	95.1	95.6	96.0	96.3	96.9	97.3	97.3	97.4	97.4	98.1	98.1
≥ 300	82.6	91.8	92.6	93.5	95.1	95.5	96.0	96.5	96.8	97.4	98.1	98.1	98.3	98.3	98.9	98.9
≥ 200	82.6	91.8	92.6	93.5	95.1	95.5	96.0	96.5	96.8	97.4	98.1	98.1	98.4	98.4	99.2	99.7
≥ 100	82.6	91.8	92.6	93.5	95.1	95.5	96.0	96.5	96.8	97.4	98.1	98.1	98.4	98.4	99.2	100.0
≥ 0	82.6	91.8	92.6	93.5	95.1	95.5	96.0	96.5	96.8	97.4	98.1	98.1	98.4	98.4	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES.															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	53.8	56.5	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 20000	58.6	61.3	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 18000	59.9	62.6	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 16000	60.4	63.1	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 14000	63.9	66.7	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 12000	68.1	71.2	71.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 10000	71.0	74.2	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 9000	72.7	75.9	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 8000	76.1	79.5	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 7000	78.7	82.3	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 6000	81.4	84.2	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 5000	82.4	86.5	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4500	82.5	86.6	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4000	83.9	88.1	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3500	84.3	88.4	88.8	89.2	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 3000	86.5	90.9	91.3	91.8	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2500	87.4	91.8	92.3	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2000	87.4	91.8	92.3	92.8	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1800	87.7	92.2	92.5	93.1	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1500	88.3	92.9	93.4	94.0	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	89.2	94.1	94.6	95.3	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	89.7	94.9	95.5	96.2	96.8	96.8	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.2	97.2	97.2
≥ 900	89.8	95.2	95.7	96.5	97.1	97.1	97.1	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6
≥ 800	89.8	95.6	96.1	96.9	97.5	97.5	97.5	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1
≥ 700	89.8	95.6	96.1	96.9	97.5	97.5	97.5	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1
≥ 600	89.8	95.8	96.3	97.2	98.0	98.0	98.1	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
≥ 500	89.8	95.9	96.6	97.5	98.5	98.5	98.6	98.9	98.9	99.0	99.1	99.1	99.2	99.4	99.4	99.4
≥ 400	89.8	96.0	96.7	97.7	98.7	98.7	98.8	99.1	99.2	99.4	99.7	99.8	99.9	99.9	99.9	99.9
≥ 300	89.8	96.0	96.7	97.7	98.7	98.7	98.8	99.1	99.2	99.4	99.7	99.8	99.9	99.9	99.9	99.9
≥ 200	89.8	96.0	96.7	97.7	98.7	98.7	98.8	99.1	99.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0
≥ 100	89.8	96.0	96.7	97.7	98.7	98.7	98.8	99.1	99.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0
≥ 0	89.8	96.0	96.7	97.7	98.7	98.7	98.8	99.1	99.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	54.4	56.1	56.1	56.1	56.2	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	61.9	62.5	62.5	62.6	62.7	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	61.6	63.2	63.2	63.3	63.4	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 16000	62.5	64.2	64.2	64.3	64.4	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000	64.3	65.9	65.9	66.1	66.1	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 12000	70.4	72.2	72.2	72.3	72.4	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 10000	72.8	74.5	74.5	74.6	74.7	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 9000	74.5	76.5	76.5	76.6	76.7	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 8000	78.2	80.2	80.2	80.3	80.4	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000	81.7	83.9	84.1	84.1	84.2	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 6000	84.1	86.2	86.3	86.5	86.6	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000	86.9	89.2	89.4	89.5	89.6	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 4500	87.1	89.5	89.6	89.7	89.8	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 4000	89.4	91.8	92.1	92.2	92.3	92.5	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3500	90.3	92.8	93.1	93.1	93.2	93.4	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 3000	92.5	95.2	95.4	95.6	95.7	95.9	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2500	93.3	96.0	96.2	96.5	96.6	96.8	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	93.7	96.3	96.6	96.8	96.9	97.1	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1800	93.7	96.3	96.6	96.8	96.9	97.1	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1500	93.7	96.6	96.8	97.0	97.1	97.3	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	93.8	96.7	96.9	97.1	97.2	97.4	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	94.3	97.4	97.6	97.8	98.0	98.2	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	94.4	97.5	97.7	98.1	98.2	98.4	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	94.5	97.5	97.8	98.2	98.3	98.6	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	94.8	98.0	98.2	98.5	98.6	98.9	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	94.9	98.1	98.3	98.6	98.7	99.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	94.9	98.1	98.3	98.6	98.7	99.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	94.9	98.1	98.3	98.6	98.7	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.9	98.1	98.3	98.6	98.7	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.9	98.1	98.3	98.6	98.7	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.9	98.1	98.3	98.6	98.7	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.9	98.1	98.3	98.6	98.7	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1414
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1803-2000
YEARS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0
NO CEILING	59.1	60.0	60.1	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 20000	64.7	65.6	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 18000	64.8	65.7	65.8	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 16000	65.3	66.1	66.2	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 14000	68.4	69.2	69.4	69.0	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 12000	74.1	74.9	75.1	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 10000	77.8	78.8	78.9	79.1	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 9000	79.5	80.4	80.5	80.6	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 8000	81.9	82.9	83.0	83.2	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 7000	84.9	85.9	86.1	86.3	86.6	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 6000	87.1	88.1	88.3	88.5	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 5000	89.1	90.2	90.4	90.6	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 4500	91.1	91.2	91.4	91.6	91.8	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 4000	91.4	92.6	92.8	93.1	93.3	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 3500	91.8	93.1	93.3	93.7	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3000	93.4	95.1	95.3	95.6	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2500	93.4	95.2	95.4	95.7	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2000	93.7	95.5	95.7	96.0	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	93.8	95.6	95.9	96.2	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	94.3	96.1	96.3	96.8	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	94.3	96.2	96.4	97.0	97.2	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	94.3	96.2	96.4	97.0	97.2	97.4	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	94.4	96.3	96.7	97.1	97.3	97.5	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	94.4	96.3	96.7	97.1	97.3	97.5	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	94.5	96.6	96.9	97.3	97.5	97.7	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	94.6	96.7	97.0	97.4	97.6	97.8	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	94.6	97.1	97.4	97.8	98.1	98.3	98.6	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	94.6	97.2	97.5	98.0	98.2	98.4	98.8	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	94.6	97.2	97.5	98.0	98.2	98.4	98.8	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	94.6	97.2	97.5	98.1	98.3	98.5	98.9	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	94.6	97.2	97.5	98.1	98.3	98.5	98.9	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	94.6	97.2	97.5	98.1	98.3	98.5	98.9	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AF LEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

2-14
STATION

FAIRCHILD AFB WA
STATION NAME

67-73
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	62.9	63.7	64.7	64.1	64.3	64.3	64.4	64.4	64.4	64.5	64.5	64.6	64.9	64.9	65.1	65.4
≥ 7000	66.9	67.6	68.7	68.1	68.3	68.3	68.4	68.4	68.4	68.5	68.5	68.6	68.9	68.9	69.0	69.5
≥ 18000	67.3	68.1	68.4	68.5	68.7	68.7	68.8	68.8	68.8	68.9	68.9	69.0	69.4	69.4	69.5	69.9
≥ 16000	67.4	68.2	68.5	68.6	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.1	69.5	69.5	69.6	70.0
≥ 14000	69.8	70.3	71.5	70.8	71.3	71.7	71.1	71.1	71.1	71.2	71.2	71.3	71.6	71.6	71.7	72.2
≥ 12000	74.3	75.1	75.4	75.5	75.7	75.7	75.8	75.8	75.8	75.9	75.9	76.0	76.3	76.3	76.5	76.9
≥ 10000	78.1	78.8	79.3	79.2	79.5	79.5	79.6	79.6	79.6	79.7	79.7	79.8	80.1	80.1	80.2	80.6
≥ 9000	80.3	80.9	81.2	81.3	81.6	81.6	81.7	81.7	81.7	81.8	81.8	81.9	82.3	82.3	82.4	82.8
≥ 8000	81.2	81.7	82.3	82.4	82.7	82.7	82.8	82.8	82.8	82.9	82.9	83.0	83.3	83.3	83.4	83.9
≥ 7000	83.4	84.2	84.5	84.6	84.9	84.9	85.1	85.1	85.1	85.2	85.2	85.3	85.6	85.6	85.7	86.1
≥ 6000	85.5	86.3	86.7	86.8	87.1	87.1	87.2	87.2	87.2	87.3	87.3	87.4	87.7	87.7	87.8	88.3
≥ 5000	87.8	88.3	89.2	89.5	89.8	89.8	90.0	90.0	90.0	90.1	90.1	90.2	90.5	90.5	90.6	91.1
≥ 4500	88.2	89.2	89.8	89.8	90.1	90.1	90.3	90.3	90.3	90.4	90.4	90.5	90.9	90.9	91.0	91.4
≥ 4000	89.5	90.6	91.1	91.2	91.5	91.5	91.7	91.7	91.7	91.8	91.8	91.9	92.3	92.3	92.4	92.8
≥ 3500	89.7	90.9	91.2	91.4	91.7	91.7	91.9	91.9	91.9	92.0	92.0	92.2	92.5	92.5	92.6	93.0
≥ 3000	90.2	91.5	91.8	92.0	92.4	92.4	92.6	92.6	92.6	92.7	92.7	92.8	93.1	93.1	93.2	93.7
≥ 2500	91.0	92.3	92.6	92.8	93.1	93.1	93.3	93.3	93.3	93.4	93.4	93.5	93.9	93.9	94.0	94.4
≥ 2000	91.6	93.1	93.4	93.7	94.0	94.0	94.3	94.3	94.3	94.4	94.4	94.5	94.8	94.8	94.9	95.4
≥ 1800	91.8	93.3	93.7	93.9	94.2	94.2	94.5	94.5	94.5	94.6	94.6	94.7	95.1	95.1	95.2	95.6
≥ 1500	91.8	93.4	93.9	94.1	94.4	94.4	94.8	94.8	94.8	94.9	94.9	95.1	95.4	95.4	95.5	95.9
≥ 1200	92.1	93.7	94.1	94.4	94.7	94.7	95.2	95.2	95.2	95.3	95.3	95.4	95.7	95.7	95.8	96.2
≥ 1000	92.3	94.1	94.5	94.8	95.4	95.4	95.8	95.8	95.8	95.9	95.9	96.0	96.3	96.3	96.5	96.9
≥ 900	92.5	94.3	94.8	95.2	95.7	95.7	96.1	96.1	96.1	96.2	96.2	96.3	96.7	96.7	96.8	97.2
≥ 800	92.7	94.5	95.1	95.4	95.9	95.9	96.3	96.3	96.3	96.5	96.5	96.6	96.9	96.9	97.0	97.4
≥ 700	92.8	94.6	95.2	95.5	96.0	96.0	96.5	96.5	96.5	96.6	96.6	96.7	97.0	97.0	97.1	97.5
≥ 600	92.8	94.7	95.4	95.7	96.2	96.2	96.7	97.0	97.0	97.2	97.2	97.3	97.6	97.6	97.7	98.2
≥ 500	92.8	95.3	95.9	96.2	96.8	96.8	97.3	97.6	97.6	97.8	97.8	98.0	98.3	98.3	98.4	98.8
≥ 400	92.8	95.3	95.9	96.2	96.8	96.8	97.4	97.7	97.7	98.0	98.0	98.2	98.3	98.6	98.7	98.9
≥ 300	92.8	95.4	96.0	96.3	96.9	96.9	97.5	98.0	98.0	98.2	98.2	98.3	98.4	98.7	98.9	99.4
≥ 200	92.8	95.4	96.0	96.3	96.9	96.9	97.5	98.0	98.0	98.2	98.3	98.4	98.7	98.8	99.0	99.7
≥ 100	92.8	95.4	96.0	96.3	96.9	96.9	97.5	98.0	98.0	98.2	98.3	98.4	98.8	98.9	99.1	100.0
≥ 0	92.8	95.4	96.0	96.3	96.9	96.9	97.5	98.0	98.0	98.2	98.3	98.4	98.8	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20114 FAIRCHILD AFB WA

69-78

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (151)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING	57.6	59.4	59.6	59.8	59.9	59.9	60.1	60.1	60.1	60.2	60.3	60.3	60.4	60.5	60.6	61.0
≥ 20000	57.7	63.5	63.8	64.0	64.1	64.1	64.3	64.3	64.3	64.4	64.5	64.6	64.7	64.7	64.9	65.3
≥ 18000	62.5	64.4	64.6	64.8	64.9	65.0	65.1	65.2	65.2	65.3	65.4	65.4	65.5	65.6	65.8	66.2
≥ 16000	63.0	64.9	65.1	65.3	65.4	65.5	65.6	65.6	65.6	65.7	65.8	65.9	66.0	66.1	66.3	66.7
≥ 14000	65.3	67.2	67.5	67.7	67.8	67.9	68.0	68.1	68.1	68.2	68.3	68.4	68.5	68.6	68.8	69.2
≥ 12000	69.2	71.1	71.4	71.7	71.8	71.9	72.0	72.1	72.2	72.2	72.4	72.4	72.5	72.6	72.8	73.2
≥ 10000	72.9	75.0	75.3	75.5	75.6	75.8	75.9	76.0	76.1	76.2	76.3	76.3	76.5	76.5	76.8	77.2
≥ 9000	74.8	76.8	77.1	77.4	77.5	77.6	77.8	77.9	77.9	78.0	78.2	78.2	78.4	78.4	78.7	79.1
≥ 8000	77.3	79.4	79.8	80.0	80.2	80.3	80.5	80.6	80.6	80.7	80.8	80.9	81.0	81.1	81.3	81.8
≥ 7000	79.7	81.9	82.3	82.5	82.7	82.8	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.9	84.3
≥ 6000	81.7	84.0	84.3	84.6	84.7	84.9	85.0	85.2	85.2	85.3	85.4	85.5	85.6	85.7	85.9	86.4
≥ 5000	83.7	86.2	86.6	86.8	87.0	87.2	87.4	87.5	87.6	87.7	87.8	87.8	88.0	88.1	88.3	88.7
≥ 4500	84.1	86.6	87.0	87.3	87.5	87.6	87.8	88.0	88.0	88.1	88.2	88.3	88.4	88.5	88.7	89.2
≥ 4000	85.5	88.1	88.5	88.8	89.0	89.2	89.4	89.6	89.6	89.7	89.9	89.9	90.1	90.1	90.3	90.8
≥ 3500	85.8	88.5	88.9	89.2	89.4	89.6	89.8	90.0	90.0	90.1	90.3	90.3	90.5	90.5	90.8	91.2
≥ 3000	86.9	89.8	90.2	90.6	90.8	91.0	91.3	91.5	91.5	91.6	91.7	91.8	91.9	92.0	92.2	92.7
≥ 2500	87.6	90.5	90.9	91.3	91.6	91.8	92.0	92.2	92.2	92.3	92.5	92.5	92.7	92.7	93.0	93.4
≥ 2000	87.9	90.8	91.3	91.7	92.0	92.1	92.4	92.6	92.6	92.7	92.9	92.9	93.1	93.1	93.4	93.8
≥ 1800	88.0	91.0	91.5	91.8	92.1	92.3	92.6	92.8	92.8	92.9	93.1	93.1	93.3	93.3	93.5	94.0
≥ 1500	88.2	91.4	91.9	92.2	92.6	92.8	93.1	93.3	93.3	93.4	93.6	93.6	93.8	93.8	94.1	94.5
≥ 1200	88.4	91.7	92.2	92.6	93.0	93.1	93.5	93.7	93.7	93.8	94.0	94.0	94.2	94.2	94.5	94.9
≥ 1000	88.8	92.3	92.8	93.3	93.7	93.9	94.2	94.5	94.5	94.7	94.9	94.9	95.1	95.2	95.4	95.8
≥ 900	88.9	92.4	93.0	93.5	94.0	94.2	94.5	94.8	94.8	95.0	95.1	95.2	95.4	95.5	95.7	96.2
≥ 800	89.1	92.7	93.3	93.8	94.4	94.6	94.9	95.2	95.2	95.4	95.6	95.6	95.8	95.9	96.2	96.7
≥ 700	89.3	92.9	93.5	94.0	94.5	94.7	95.1	95.3	95.4	95.6	95.8	95.8	96.0	96.1	96.4	96.9
≥ 600	89.4	93.1	93.8	94.3	94.9	95.1	95.5	95.8	95.8	96.1	96.3	96.3	96.5	96.6	96.9	97.4
≥ 500	89.5	93.4	94.1	94.6	95.3	95.5	95.9	96.3	96.3	96.5	96.8	96.9	97.1	97.1	97.5	98.0
≥ 400	89.5	93.5	94.3	94.8	95.6	95.8	96.3	96.7	96.8	97.1	97.4	97.5	97.7	97.7	98.1	98.7
≥ 300	89.5	93.6	94.4	95.0	95.8	96.0	96.5	96.9	97.0	97.3	97.6	97.7	98.0	98.1	98.5	99.2
≥ 200	89.5	93.6	94.4	95.0	95.8	96.0	96.5	96.9	97.0	97.3	97.7	97.8	98.1	98.3	98.8	99.7
≥ 100	89.5	93.6	94.4	95.0	95.8	96.0	96.5	96.9	97.0	97.3	97.7	97.8	98.1	98.3	98.8	100.0
≥ 0	89.5	93.6	94.4	95.0	95.8	96.0	96.5	96.9	97.0	97.3	97.7	97.8	98.1	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	33.1	33.9	34.3	34.7	35.0	35.0	35.0	35.3	35.3	35.7	36.3	36.6	37.2	37.4	38.4	40.2
≥ 20000	35.3	36.1	36.6	36.9	37.2	37.2	37.2	37.6	37.6	37.9	38.6	38.8	39.4	39.7	40.7	42.4
IV 18000	35.8	36.6	37.1	37.3	37.7	37.7	37.7	38.0	38.0	38.3	39.0	39.2	39.9	40.1	41.1	42.9
IV 16000	35.9	36.7	37.1	37.4	37.8	37.8	37.8	38.1	38.1	38.4	39.1	39.3	40.0	40.2	41.2	43.0
IV 14000	36.8	37.6	38.1	38.3	38.8	38.8	38.8	39.1	39.1	39.4	40.1	40.3	41.0	41.2	42.2	44.0
IV 12000	39.0	39.8	40.2	40.6	41.0	41.0	41.0	41.3	41.3	41.7	42.3	42.6	43.2	43.4	44.4	46.2
IV 10000	41.6	42.4	43.0	43.3	43.8	43.8	43.8	44.1	44.1	44.4	45.1	45.3	46.0	46.2	47.2	49.0
IV 9000	43.0	43.9	44.4	44.8	45.3	45.3	45.3	45.7	45.7	46.0	46.7	46.9	47.6	47.8	48.8	50.6
IV 8000	45.8	46.7	47.2	47.6	48.1	48.1	48.1	48.4	48.4	48.9	49.6	49.8	50.4	50.7	51.8	53.6
IV 7000	49.2	50.1	50.7	51.0	51.6	51.6	51.6	51.9	51.9	52.6	53.3	53.6	54.2	54.4	55.6	57.3
IV 6000	51.1	52.4	53.0	53.3	53.9	53.9	53.9	54.2	54.2	54.9	55.7	55.9	56.6	56.8	57.9	59.7
IV 5000	54.7	56.3	56.9	57.2	57.8	57.8	57.8	58.2	58.3	59.0	59.8	60.0	60.7	60.9	62.0	63.8
IV 4500	56.9	58.6	59.1	59.4	60.0	60.0	60.0	60.4	60.6	61.2	62.0	62.2	62.9	63.1	64.2	66.0
IV 4000	58.3	60.0	60.7	61.0	61.6	61.6	61.6	62.0	62.1	62.8	63.6	63.8	64.4	64.7	65.8	67.6
IV 3500	59.1	60.9	61.6	61.9	62.4	62.4	62.4	62.9	63.0	63.7	64.4	64.7	65.3	65.6	66.7	68.4
IV 3000	61.1	63.6	64.2	64.7	65.3	65.3	65.3	65.8	65.9	66.6	67.3	67.6	68.2	68.4	69.6	71.3
IV 2500	62.7	65.2	66.0	66.6	67.2	67.2	67.2	67.7	67.8	68.6	69.4	69.7	70.3	70.6	71.7	73.4
IV 2000	63.6	66.7	67.6	68.2	68.9	69.1	69.3	69.8	69.9	70.7	71.6	71.8	72.4	72.7	73.8	75.6
IV 1800	64.0	67.1	68.0	68.7	69.3	69.6	69.8	70.2	70.4	71.2	72.1	72.3	73.0	73.2	74.3	76.1
IV 1500	64.4	67.8	68.7	69.4	70.1	70.3	70.6	71.0	71.2	72.0	72.9	73.1	73.8	74.0	75.1	76.9
IV 1200	64.6	68.4	69.3	70.1	70.9	71.1	71.3	71.8	72.0	72.8	73.7	73.9	74.6	74.8	75.9	77.7
IV 1000	64.7	68.6	69.6	70.3	71.1	71.3	71.8	72.2	72.4	73.4	74.3	74.6	75.2	75.4	76.6	78.3
IV 900	65.1	69.0	70.0	70.8	71.6	71.8	72.2	72.7	72.9	73.9	74.8	75.0	75.7	75.9	77.0	78.8
IV 800	65.3	69.3	70.3	71.1	71.9	72.1	72.6	73.1	73.3	74.3	75.2	75.4	76.1	76.3	77.6	79.3
IV 700	65.3	69.7	70.7	71.4	72.2	72.4	72.9	73.4	73.7	74.7	75.6	75.8	76.4	76.7	77.9	79.7
IV 600	65.4	70.3	71.4	72.3	73.1	73.6	74.0	74.6	74.8	76.0	76.9	77.1	77.9	78.1	79.3	81.1
IV 500	65.8	72.0	73.3	74.6	76.0	76.7	77.2	78.3	78.7	80.0	81.2	81.4	82.4	82.7	83.9	85.7
IV 400	66.6	73.2	74.6	76.2	77.9	78.6	79.2	80.6	80.9	82.3	83.7	84.1	85.1	85.4	86.9	88.8
IV 300	66.6	73.3	74.7	76.6	78.6	79.2	80.7	82.4	82.9	85.0	87.1	87.7	88.9	89.2	90.9	92.8
IV 200	66.6	73.4	74.8	76.8	78.8	79.6	81.2	83.3	83.8	86.2	88.7	89.3	91.1	92.1	94.6	98.1
IV 100	66.6	73.4	74.8	76.8	78.8	79.6	81.2	83.4	83.9	86.3	88.9	89.6	91.3	92.3	95.0	99.4
IV 0	66.6	73.4	74.8	76.8	78.8	79.6	81.2	83.4	83.9	86.3	88.9	89.6	91.3	92.3	95.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB JA
STATION NAME

69-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	29.6	29.8	30.2	30.2	31.2	31.2	31.7	32.2	32.4	32.6	32.7	32.7	33.2	33.3	34.7	36.8
≥ 20000	31.4	31.7	32.2	32.2	33.3	33.3	33.8	34.4	34.7	34.8	34.9	34.9	35.4	35.6	36.9	39.0
≥ 18000	32.1	32.3	32.9	32.9	34.0	34.0	34.4	35.1	35.3	35.4	35.6	35.6	36.1	36.2	37.6	39.7
≥ 16000	32.1	32.3	32.9	32.9	34.0	34.0	34.4	35.1	35.3	35.4	35.6	35.6	36.1	36.2	37.6	39.7
≥ 14000	32.9	33.1	33.7	33.7	34.8	34.8	35.2	35.9	36.1	36.2	36.3	36.3	36.9	37.0	38.3	40.4
≥ 12000	35.6	35.8	36.3	36.3	37.4	37.4	37.9	38.6	38.8	38.9	39.0	39.0	39.6	39.7	41.0	43.1
≥ 10000	37.4	37.7	38.2	38.2	39.3	39.3	39.8	40.4	40.7	40.8	41.0	41.0	41.6	41.7	43.0	45.1
≥ 9000	38.9	39.1	39.7	39.8	40.9	40.9	41.3	42.0	42.2	42.3	42.8	42.8	43.3	43.4	44.8	46.9
≥ 8000	41.3	41.8	42.3	42.4	43.7	43.7	44.1	44.8	45.0	45.1	45.6	45.6	46.1	46.2	47.6	49.7
≥ 7000	44.2	44.8	45.3	45.4	46.7	46.7	47.1	47.8	48.0	48.1	48.9	48.9	49.4	49.6	50.9	53.0
≥ 6000	46.2	46.8	47.3	47.4	48.7	48.7	49.1	49.8	50.0	50.1	50.9	50.9	51.4	51.6	52.9	55.0
≥ 5000	48.4	49.7	50.2	50.3	51.6	51.6	52.0	52.7	52.9	53.0	53.8	53.9	54.4	54.6	55.9	58.0
≥ 4500	49.7	51.0	51.0	51.9	53.1	53.1	53.6	54.2	54.4	54.6	55.3	55.4	56.0	56.1	57.4	59.6
≥ 4000	51.1	52.8	53.7	53.8	55.0	55.0	55.4	56.1	56.3	56.4	57.2	57.3	57.9	58.0	59.3	61.4
≥ 3500	52.6	54.2	55.1	55.2	56.4	56.4	56.9	57.6	57.8	57.9	58.7	58.8	59.3	59.4	60.8	62.9
≥ 3000	53.3	55.2	56.1	56.4	57.7	57.7	58.1	58.8	59.0	59.1	59.9	60.0	60.6	60.7	62.0	64.1
≥ 2500	55.3	57.2	58.1	58.4	59.7	59.7	60.2	60.9	61.1	61.2	62.0	62.1	62.7	62.8	64.1	66.2
≥ 2000	57.2	59.2	60.1	60.4	61.7	61.7	62.2	62.9	63.1	63.2	64.0	64.1	64.7	64.8	66.1	68.2
≥ 1800	57.3	59.3	60.2	60.6	61.9	61.9	62.7	63.3	63.6	63.7	64.4	64.6	65.1	65.2	66.6	68.7
≥ 1500	57.3	59.3	60.4	60.8	62.1	62.1	62.9	63.6	63.8	64.0	64.8	64.9	65.4	65.6	66.9	69.0
≥ 1200	57.4	60.0	61.1	61.4	62.8	62.8	63.6	64.2	64.4	64.7	65.4	65.6	66.1	66.2	67.6	69.7
≥ 1000	58.6	61.3	62.4	62.9	64.2	64.2	65.3	66.0	66.2	66.4	67.2	67.3	67.9	68.0	69.3	71.4
≥ 900	59.3	62.3	63.4	63.9	65.4	65.4	66.6	67.2	67.4	67.7	68.4	68.6	69.1	69.2	70.6	72.7
≥ 800	59.7	63.1	64.4	64.9	66.7	66.7	67.8	68.4	68.7	68.9	69.7	69.8	70.3	70.4	71.8	73.9
≥ 700	59.9	63.3	64.7	65.1	67.0	67.0	68.1	68.9	69.2	69.4	70.2	70.3	71.0	71.1	72.4	74.6
≥ 600	60.4	64.1	65.7	66.1	68.0	68.0	69.1	70.1	70.6	71.0	71.8	71.9	72.6	72.7	74.0	76.1
≥ 500	61.1	65.6	67.3	68.1	70.8	70.8	72.1	73.3	73.9	74.9	76.2	76.3	77.2	77.3	78.7	80.8
≥ 400	61.4	66.3	68.1	69.1	72.0	72.0	73.3	74.9	75.4	77.2	79.1	79.2	80.3	80.8	82.1	84.2
≥ 300	61.9	67.3	69.2	70.4	74.1	74.3	75.9	78.4	79.4	81.7	84.4	84.7	86.0	86.8	88.4	90.8
≥ 200	61.9	67.6	69.4	70.7	74.6	74.9	76.4	79.8	80.8	83.3	86.3	86.7	88.6	89.9	92.8	96.4
≥ 100	61.9	67.6	69.4	70.7	74.6	74.9	76.4	79.8	80.8	83.3	86.3	86.7	88.6	89.9	93.6	99.2
≥ 0	61.9	67.6	69.4	70.7	74.6	74.9	76.4	79.8	80.8	83.3	86.3	86.7	88.6	89.9	93.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	24.8	25.2	25.7	25.9	26.1	26.1	26.2	26.6	26.8	26.9	27.0	27.0	27.1	27.3	28.1	30.0
≥ 20000	28.7	28.6	29.1	29.3	29.6	29.6	29.7	30.2	30.4	30.6	30.7	30.7	30.8	31.0	31.8	33.7
≥ 18000	28.7	29.3	29.9	30.1	30.3	30.3	30.4	31.0	31.2	31.3	31.4	31.4	31.6	31.8	32.6	34.4
≥ 16000	28.8	29.4	30.0	30.2	30.4	30.4	30.6	31.1	31.4	31.6	31.7	31.7	31.8	32.0	32.8	34.7
≥ 14000	29.6	30.2	30.8	31.0	31.3	31.3	31.4	32.0	32.3	32.4	32.6	32.6	32.7	32.9	33.7	35.6
≥ 12000	33.0	33.9	34.7	34.9	35.2	35.2	35.3	35.9	36.2	36.3	36.4	36.4	36.6	36.8	37.6	39.4
≥ 10000	35.0	36.0	36.8	37.0	37.3	37.3	37.4	38.1	38.4	38.6	38.7	38.7	38.8	39.0	39.8	41.7
≥ 9000	36.9	37.9	38.7	38.9	39.2	39.2	39.3	40.0	40.3	40.6	40.8	40.8	41.0	41.2	42.0	43.9
≥ 8000	39.7	40.8	41.7	41.9	42.2	42.2	42.3	43.0	43.3	43.6	43.9	43.9	44.2	44.4	45.2	47.1
≥ 7000	41.8	43.3	44.2	44.4	44.8	44.8	44.9	45.6	45.9	46.1	46.4	46.4	46.8	47.0	47.8	49.7
≥ 6000	42.6	44.1	45.1	45.3	45.9	45.9	46.0	46.7	47.0	47.2	47.6	47.6	48.0	48.2	49.0	50.9
≥ 5000	43.7	45.6	46.6	46.8	47.3	47.3	47.4	48.1	48.4	48.7	49.0	49.0	49.6	49.8	50.6	52.4
≥ 4500	44.8	46.9	47.9	48.1	48.7	48.7	48.8	49.4	49.8	50.0	50.3	50.3	50.9	51.1	51.9	53.8
≥ 4000	46.3	48.6	49.7	49.9	50.4	50.4	50.6	51.2	51.6	51.8	52.1	52.1	52.8	53.0	53.8	55.7
≥ 3500	46.9	49.2	50.7	51.0	51.7	51.8	51.9	52.6	52.9	53.1	53.4	53.4	54.1	54.3	55.1	57.0
≥ 3000	48.2	51.3	52.9	53.2	54.1	54.3	54.4	55.1	55.4	55.7	56.2	56.2	56.9	57.1	57.9	59.8
≥ 2500	49.4	53.4	55.0	55.3	56.2	56.4	56.7	57.3	57.7	57.9	58.4	58.4	59.1	59.3	60.1	62.0
≥ 2000	49.9	54.3	56.0	56.4	57.3	57.6	57.8	58.4	58.8	59.0	59.6	59.6	60.2	60.4	61.2	63.1
≥ 1800	50.0	54.6	56.2	56.7	57.7	57.9	58.1	58.8	59.1	59.3	59.9	59.9	60.6	60.8	61.6	63.4
≥ 1500	50.2	54.9	56.7	57.2	58.2	58.4	58.8	59.6	59.9	60.2	60.8	60.8	61.4	61.7	62.4	64.3
≥ 1200	50.7	55.6	57.3	57.9	58.9	59.1	59.8	60.6	61.1	61.4	62.0	62.0	62.7	62.9	63.7	65.6
≥ 1000	51.3	56.7	58.6	59.1	60.2	60.4	61.1	62.2	62.6	63.0	63.6	63.6	64.2	64.4	65.2	67.1
≥ 900	51.9	57.3	59.2	59.8	61.4	61.7	62.3	63.4	63.8	64.2	64.8	64.8	65.4	65.7	66.4	68.3
≥ 800	52.3	57.9	59.8	60.3	62.3	62.6	63.2	64.3	64.7	65.1	65.7	65.7	66.3	66.6	67.3	69.2
≥ 700	52.4	58.2	60.1	60.7	62.7	62.9	63.6	64.7	65.0	65.4	66.0	66.0	66.7	66.9	67.7	69.6
≥ 600	53.1	59.1	61.0	61.6	63.9	64.2	64.9	66.1	66.4	67.1	67.8	67.8	68.4	68.7	69.4	71.3
≥ 500	53.9	60.7	62.7	63.4	66.0	66.3	67.0	68.7	69.1	70.7	71.7	71.7	72.6	72.9	73.8	75.7
≥ 400	54.2	61.8	64.0	65.1	68.4	68.9	69.9	71.7	72.3	74.6	75.8	76.0	77.0	77.6	78.6	80.8
≥ 300	54.6	62.3	64.8	66.0	70.6	71.3	72.7	75.2	76.2	79.1	80.9	81.2	82.6	83.2	85.3	88.7
≥ 200	54.6	62.6	65.0	66.2	70.8	71.7	73.1	76.2	77.4	81.2	83.6	83.9	85.8	87.3	90.7	96.7
≥ 100	54.6	62.6	65.0	66.2	70.8	71.7	73.1	76.2	77.4	81.3	83.8	84.1	86.1	87.9	91.6	99.7
≥ 0	54.6	62.6	65.0	66.2	70.8	71.7	73.1	76.2	77.4	81.3	83.8	84.1	86.1	87.9	91.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFS WA
STATION NAME

69-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	25.6	26.3	26.3	27.2	27.2	27.2	27.7	27.8	27.9	27.9	28.3	28.3	28.7	28.9	29.6	30.1
≥ 20000	29.7	30.7	31.1	31.6	31.6	31.6	32.0	32.1	32.2	32.2	32.8	32.8	33.1	33.3	34.0	34.6
≥ 18000	30.2	31.3	31.8	32.2	32.2	32.2	32.7	32.8	32.9	32.9	33.4	33.4	33.8	34.0	34.7	35.2
≥ 16000	31.7	32.2	32.7	33.1	33.1	33.1	33.6	33.7	33.8	33.8	34.3	34.3	34.7	34.9	35.6	36.1
≥ 14000	32.3	33.2	34.3	34.4	34.4	34.4	34.9	35.0	35.1	35.1	35.7	35.7	36.0	36.2	36.9	37.4
≥ 12000	34.4	35.8	36.2	36.7	36.7	36.7	37.1	37.2	37.3	37.3	37.9	37.9	38.2	38.4	39.1	39.7
≥ 10000	37.7	39.1	39.6	40.3	40.0	40.0	40.4	40.6	40.7	40.7	41.2	41.2	41.6	41.8	42.4	43.0
≥ 9000	39.6	41.3	41.8	42.3	42.3	42.3	42.8	43.0	43.1	43.1	43.7	43.7	44.0	44.2	44.9	45.4
≥ 8000	42.2	44.1	44.6	45.1	45.1	45.1	45.6	45.8	46.0	46.0	46.6	46.6	46.9	47.1	47.8	48.3
≥ 7000	45.1	47.4	48.1	48.7	48.8	48.8	49.2	49.4	49.7	49.8	50.3	50.3	50.8	51.0	51.7	52.2
≥ 6000	47.1	49.6	50.2	50.8	50.9	50.9	51.3	51.7	51.9	52.1	52.7	52.7	53.1	53.3	54.0	54.6
≥ 5000	48.9	51.8	52.4	53.0	53.2	53.2	53.7	54.0	54.2	54.4	55.0	55.0	55.6	55.7	56.3	56.9
≥ 4500	49.3	52.3	53.0	53.6	53.8	53.8	54.2	54.6	54.8	55.0	55.6	55.6	56.0	56.2	56.9	57.4
≥ 4000	50.7	53.8	54.6	55.1	55.3	55.3	55.8	56.1	56.3	56.6	57.3	57.3	57.8	58.0	58.7	59.2
≥ 3500	51.8	55.2	56.3	56.6	57.0	57.0	57.4	57.8	58.0	58.2	59.0	59.0	59.4	59.7	60.3	60.9
≥ 3000	52.8	56.6	57.3	58.1	58.9	58.9	59.3	59.7	59.9	60.2	61.0	61.0	61.4	61.7	62.3	62.9
≥ 2500	53.6	57.9	58.8	59.6	60.4	60.4	61.1	61.6	61.8	62.1	62.9	62.9	63.3	63.6	64.2	64.8
≥ 2000	53.7	58.1	59.7	59.9	60.9	60.9	61.6	62.0	62.2	62.6	63.3	63.3	63.8	64.0	64.7	65.2
≥ 1800	53.9	58.3	59.2	60.1	61.1	61.1	61.8	62.2	62.4	62.8	63.6	63.6	64.0	64.2	64.9	65.4
≥ 1500	54.3	59.3	60.2	61.3	62.4	62.4	63.1	63.7	63.9	64.2	65.0	65.0	65.4	65.8	66.6	67.1
≥ 1200	54.8	59.8	61.0	62.2	63.6	63.6	64.2	64.8	65.0	65.3	66.1	66.1	66.6	66.9	67.7	68.2
≥ 1000	56.0	61.0	62.3	63.6	65.1	65.1	65.8	66.4	66.7	67.0	67.8	67.8	68.2	68.6	69.3	69.9
≥ 900	56.3	61.3	62.7	64.0	65.6	65.6	66.2	66.9	67.1	67.4	68.2	68.2	68.7	69.0	69.8	70.3
≥ 800	56.8	62.2	63.6	65.1	67.0	67.0	67.7	68.3	68.6	69.0	69.8	69.8	70.2	70.6	71.3	71.9
≥ 700	57.4	63.1	64.7	66.2	68.3	68.4	69.2	70.0	70.3	70.9	71.7	71.7	72.1	72.4	73.2	73.8
≥ 600	58.0	64.1	65.9	67.6	70.1	70.3	71.4	72.2	72.6	73.2	74.0	74.0	74.4	74.8	75.6	76.1
≥ 500	58.3	65.4	67.8	69.6	72.7	73.0	74.9	75.9	76.2	77.6	78.6	78.7	79.2	79.6	80.3	80.9
≥ 400	56.3	66.4	69.1	71.2	75.3	75.8	78.2	80.0	80.8	82.6	83.9	84.1	84.9	85.4	86.4	87.1
≥ 300	58.3	66.8	69.7	72.0	76.6	77.1	80.4	83.0	84.1	86.9	88.8	89.0	90.1	91.0	92.1	93.8
≥ 200	58.3	66.8	69.8	72.2	76.8	77.4	80.9	83.8	85.0	88.3	91.2	91.4	93.0	94.1	96.3	98.2
≥ 100	58.4	66.9	69.9	72.3	76.9	77.6	81.0	83.9	85.1	88.6	91.4	91.7	93.3	94.6	97.0	99.9
≥ 0	58.4	66.9	69.9	72.3	76.9	77.6	81.0	83.9	85.1	88.6	91.4	91.7	93.3	94.6	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34114 FAIRCHILD AFB WA
STATION STATION NAME

69-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	28.8	31.4	30.6	30.6	31.0	31.1	31.4	31.5	31.6	31.8	31.8	31.8	32.0	32.0	32.0	32.0
≥ 20000	32.5	34.0	34.3	34.3	34.8	34.9	35.2	35.3	35.4	35.6	35.6	35.6	35.6	35.8	35.8	35.8
≥ 18000	32.9	34.5	34.7	34.7	35.3	35.4	35.6	35.7	35.8	36.0	36.0	36.0	36.3	36.3	36.3	36.3
≥ 16000	33.8	35.4	35.6	35.6	36.2	36.3	36.5	36.6	36.7	36.9	36.9	36.9	37.2	37.2	37.2	37.2
≥ 14000	35.8	37.5	37.7	37.7	38.3	38.4	38.6	38.7	38.8	39.0	39.0	39.0	39.3	39.3	39.3	39.3
≥ 12000	38.7	40.6	40.8	40.8	41.4	41.5	41.7	41.8	41.9	42.2	42.2	42.2	42.4	42.4	42.4	42.4
≥ 10000	42.3	44.7	44.9	45.1	45.6	45.7	45.9	46.1	46.2	46.4	46.4	46.4	46.6	46.6	46.6	46.6
≥ 9000	44.7	47.6	47.8	47.9	48.5	48.6	48.8	48.9	49.1	49.3	49.3	49.3	49.5	49.5	49.5	49.5
≥ 8000	47.1	50.3	50.5	50.6	51.2	51.3	51.5	51.6	51.7	51.9	51.9	51.9	52.2	52.2	52.2	52.2
≥ 7000	49.3	52.6	52.8	52.9	53.6	53.7	53.9	54.1	54.2	54.4	54.4	54.4	54.6	54.6	54.6	54.6
≥ 6000	50.9	54.4	54.6	54.8	55.5	55.6	56.0	56.2	56.3	56.5	56.5	56.5	56.7	56.7	56.7	56.7
≥ 5000	53.4	57.5	57.7	58.1	58.6	58.7	59.1	59.3	59.4	59.6	59.6	59.6	59.8	59.8	59.8	59.8
≥ 4500	54.2	58.3	58.5	58.7	59.4	59.5	59.8	60.1	60.2	60.4	60.4	60.4	60.6	60.6	60.6	60.6
≥ 4000	55.5	60.0	60.3	60.6	61.3	61.5	61.8	62.1	62.2	62.4	62.4	62.4	62.6	62.6	62.6	62.6
≥ 3500	56.8	61.6	62.1	62.4	63.3	63.5	63.8	64.1	64.2	64.4	64.4	64.4	64.6	64.6	64.6	64.6
≥ 3000	59.3	64.4	65.1	65.4	66.4	66.7	67.1	67.3	67.4	67.6	67.6	67.6	67.9	67.9	67.9	67.9
≥ 2500	60.4	66.4	67.2	67.6	68.6	69.0	69.4	69.6	69.7	70.0	70.0	70.0	70.2	70.2	70.2	70.2
≥ 2000	61.8	68.1	68.9	69.4	70.5	71.0	71.4	71.6	71.7	72.0	72.0	72.0	72.2	72.2	72.2	72.2
≥ 1800	62.5	68.7	69.5	70.1	71.2	71.6	72.1	72.3	72.4	72.6	72.6	72.6	72.9	72.9	72.9	72.9
≥ 1500	63.7	70.5	71.4	72.0	73.2	73.6	74.2	74.4	74.5	74.7	74.7	74.9	75.1	75.1	75.1	75.1
≥ 1200	64.8	72.7	74.0	74.6	76.0	76.4	77.1	77.3	77.4	77.6	77.6	77.8	78.0	78.0	78.0	78.0
≥ 1000	66.2	74.6	76.2	77.3	78.5	79.0	79.8	80.0	80.1	80.3	80.3	80.4	80.6	80.6	80.6	80.6
≥ 900	66.5	75.5	77.5	78.8	80.4	80.9	81.6	81.9	82.0	82.2	82.2	82.3	82.5	82.5	82.5	82.5
≥ 800	66.9	76.6	78.6	80.0	81.8	82.2	83.2	83.8	83.9	84.1	84.2	84.3	84.5	84.5	84.5	84.5
≥ 700	67.1	77.3	79.6	81.0	82.9	83.3	84.4	85.0	85.2	85.5	85.7	85.8	86.0	86.0	86.0	86.0
≥ 600	67.2	77.8	80.4	81.8	83.6	84.1	85.5	86.1	86.3	86.9	87.0	87.1	87.4	87.4	87.4	87.4
≥ 500	67.5	78.8	81.5	83.0	85.2	85.8	87.3	88.0	88.3	89.1	89.2	89.3	89.7	89.7	89.7	89.7
≥ 400	67.6	79.3	82.2	84.2	87.1	87.9	89.8	90.7	91.0	92.2	92.4	92.5	92.9	92.9	93.0	93.0
≥ 300	67.6	79.3	82.4	84.4	87.3	88.2	90.4	92.1	93.3	95.0	95.4	95.6	96.0	96.0	96.7	96.7
≥ 200	67.6	79.3	82.4	84.4	87.3	88.2	90.4	92.5	93.9	96.2	97.0	97.2	98.1	98.3	99.3	99.6
≥ 100	67.6	79.3	82.4	84.4	87.3	88.2	90.4	92.5	93.9	96.2	97.0	97.2	98.2	98.4	99.4	100.0
≥ 0	67.6	79.3	82.4	84.4	87.3	88.2	90.4	92.5	93.9	96.2	97.0	97.2	98.2	98.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14
STATION

FAIRCHILD AFB WA

STATION NAME

69-78

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	22.7	29.1	29.3	29.6	29.9	29.9	29.9	29.9	29.9	30.0	30.1	30.1	30.1	30.3	30.6	30.8
≥ 20000	33.4	34.0	34.2	34.4	34.8	34.8	34.8	34.8	34.8	34.9	35.0	35.0	35.0	35.2	35.4	35.7
≥ 18000	34.3	35.0	35.2	35.4	35.8	35.8	35.8	35.9	35.8	35.9	36.0	36.0	36.0	36.2	36.4	36.7
≥ 16000	35.4	36.1	36.3	36.6	36.9	36.9	36.9	36.9	36.9	37.0	37.1	37.1	37.1	37.3	37.6	37.8
≥ 14000	37.8	38.6	38.8	39.1	39.4	39.4	39.4	39.4	39.4	39.6	39.7	39.7	39.7	39.9	40.1	40.3
≥ 12000	41.1	42.0	42.2	42.6	42.9	42.9	42.9	42.9	42.9	43.0	43.1	43.1	43.1	43.3	43.6	43.8
≥ 10000	46.0	47.1	47.3	47.7	48.0	48.0	48.0	48.3	48.3	48.4	48.6	48.6	48.6	48.8	49.0	49.2
≥ 9000	48.2	49.7	49.9	50.2	50.6	50.6	50.6	50.9	50.9	51.0	51.1	51.1	51.1	51.3	51.6	51.8
≥ 8000	52.2	53.8	54.0	54.3	54.7	54.7	54.7	55.0	55.0	55.1	55.2	55.2	55.2	55.4	55.7	55.9
≥ 7000	55.6	57.1	57.3	57.8	58.2	58.2	58.2	58.6	58.6	58.7	58.8	58.8	58.8	59.0	59.2	59.4
≥ 6000	57.1	58.7	58.9	59.6	60.0	60.0	60.0	60.3	60.3	60.4	60.6	60.6	60.6	60.8	61.0	61.2
≥ 5000	59.6	61.6	61.8	62.4	62.9	62.9	62.9	63.2	63.2	63.3	63.4	63.4	63.4	63.7	63.9	64.1
≥ 4500	61.4	63.4	63.6	64.4	65.0	65.0	65.0	65.3	65.3	65.4	65.6	65.6	65.6	65.8	66.0	66.2
≥ 4000	62.8	65.0	65.4	66.1	66.8	66.8	66.8	67.1	67.1	67.2	67.3	67.3	67.3	67.6	67.8	68.0
≥ 3500	63.7	66.1	66.8	67.4	68.1	68.1	68.1	68.4	68.4	68.6	68.7	68.7	68.7	68.9	69.1	69.3
≥ 3000	64.8	67.4	68.2	68.9	69.8	69.8	69.8	70.1	70.1	70.2	70.3	70.3	70.3	70.6	70.8	71.0
≥ 2500	66.1	69.1	69.9	70.8	72.0	72.0	72.1	72.4	72.4	72.6	72.7	72.7	72.7	72.9	73.1	73.3
≥ 2000	67.9	70.9	71.7	72.7	74.1	74.1	74.2	74.6	74.6	74.7	74.9	74.9	74.9	75.1	75.3	75.6
≥ 1800	68.1	71.4	72.3	73.4	74.9	74.9	75.1	75.4	75.4	75.6	75.8	75.8	75.8	76.1	76.3	76.6
≥ 1500	68.6	72.7	73.7	74.8	76.2	76.2	76.4	76.8	76.8	76.9	77.1	77.1	77.1	77.4	77.7	77.9
≥ 1200	69.8	74.3	75.7	76.8	78.2	78.2	78.4	78.8	78.8	79.0	79.2	79.2	79.2	79.6	79.8	80.0
≥ 1000	70.6	75.7	77.1	78.6	80.1	80.2	80.6	80.9	80.9	81.2	81.4	81.4	81.4	81.8	82.0	82.2
≥ 900	70.7	75.8	77.2	78.7	80.3	80.4	80.8	81.1	81.1	81.4	81.7	81.7	81.7	82.0	82.2	82.4
≥ 800	70.8	76.8	78.4	80.0	81.7	82.0	82.7	83.0	83.0	83.4	83.7	83.7	83.7	84.0	84.2	84.4
≥ 700	71.1	78.0	79.8	81.3	83.1	83.0	84.2	84.6	84.6	85.0	85.2	85.2	85.2	85.6	85.9	86.1
≥ 600	71.2	78.7	80.9	82.4	84.3	84.8	85.8	86.1	86.1	86.6	86.8	86.9	86.9	87.2	87.6	87.8
≥ 500	71.3	79.1	81.4	83.2	85.6	86.1	87.2	87.7	87.8	88.6	88.9	89.1	89.1	89.4	89.8	90.0
≥ 400	71.3	79.3	81.7	83.6	86.4	87.2	88.4	89.2	89.3	90.2	90.6	90.8	90.8	91.1	91.4	91.7
≥ 300	71.4	79.7	82.0	83.9	87.1	88.0	89.8	90.9	91.3	93.3	94.6	94.8	94.8	95.2	95.7	95.9
≥ 200	71.4	79.7	82.0	84.0	87.3	88.4	90.2	91.6	92.1	94.4	95.8	96.1	97.1	97.7	98.2	99.0
≥ 100	71.4	79.7	82.0	84.0	87.3	88.4	90.2	91.6	92.1	94.4	95.9	96.2	97.4	98.0	98.6	100.0
≥ 0	71.4	79.7	82.0	84.0	87.3	88.4	90.2	91.6	92.1	94.4	95.9	96.2	97.4	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24.14
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	35.2	35.8	35.8	35.9	36.4	36.5	37.2	37.5	37.5	37.6	37.7	37.7	37.7	37.8	37.8	37.8
≥ 20000	39.6	40.3	40.3	40.4	40.8	40.9	41.6	41.9	41.9	42.0	42.2	42.2	42.2	42.3	42.3	42.3
≥ 18000	40.5	41.2	41.2	41.3	41.7	41.8	42.5	42.5	42.8	42.9	43.0	43.0	43.0	43.2	43.2	43.2
≥ 16000	40.6	41.3	41.3	41.4	41.8	41.9	42.6	42.9	42.7	43.0	43.2	43.2	43.2	43.3	43.3	43.3
≥ 14000	41.7	42.4	42.4	42.5	42.9	43.3	43.7	44.2	44.2	44.3	44.4	44.4	44.4	44.5	44.5	44.5
≥ 12000	44.7	44.7	44.7	44.8	45.3	45.4	46.1	46.5	46.5	46.6	46.7	46.7	46.7	46.8	46.8	46.8
≥ 10000	47.6	48.5	48.5	48.6	49.1	49.2	49.8	50.3	50.3	50.4	50.5	50.5	50.5	50.6	50.6	50.6
≥ 9000	49.6	50.5	50.5	50.6	51.1	51.2	51.8	52.3	52.3	52.4	52.5	52.5	52.5	52.6	52.6	52.6
≥ 8000	51.9	52.8	52.8	52.9	53.5	53.6	54.3	54.7	54.7	54.8	54.9	54.9	55.1	55.2	55.2	55.2
≥ 7000	54.7	55.7	55.7	55.8	56.5	56.7	57.5	58.2	58.2	58.4	58.5	58.5	58.6	58.7	58.7	58.7
≥ 6000	56.6	57.7	57.7	57.8	58.5	58.7	59.5	60.2	60.2	60.4	60.5	60.5	60.6	60.7	60.7	60.7
≥ 5000	59.4	60.7	60.7	61.0	61.6	61.8	62.6	63.4	63.4	63.6	64.0	64.0	64.1	64.2	64.2	64.2
≥ 4500	61.7	62.2	62.2	62.6	63.3	63.5	64.3	65.1	65.1	65.3	65.6	65.6	65.7	65.9	65.9	65.9
≥ 4000	62.7	64.4	64.5	65.1	65.6	65.9	66.6	67.4	67.4	67.6	68.0	68.0	68.1	68.2	68.2	68.2
≥ 3500	63.3	64.8	65.1	65.5	66.2	66.4	67.2	68.0	68.0	68.2	68.5	68.5	68.6	68.7	68.7	68.7
≥ 3000	65.3	67.3	67.5	68.0	68.6	68.9	69.7	70.5	70.5	70.7	71.2	71.2	71.3	71.4	71.4	71.4
≥ 2500	66.9	70.1	70.2	70.6	71.7	72.0	72.9	73.6	73.6	73.9	74.3	74.3	74.4	74.5	74.5	74.5
≥ 2000	68.0	71.4	71.6	72.2	73.4	73.6	74.5	75.5	75.5	76.0	76.4	76.4	76.5	76.6	76.6	76.6
≥ 1800	68.5	72.1	72.3	72.9	74.1	74.3	75.2	76.2	76.2	76.6	77.1	77.1	77.2	77.3	77.3	77.3
≥ 1500	69.2	73.2	73.4	74.0	75.2	75.4	76.3	77.3	77.3	77.8	78.2	78.2	78.3	78.4	78.4	78.4
≥ 1200	69.7	74.1	74.3	74.9	76.2	76.4	77.5	78.5	78.8	79.2	79.6	79.6	79.8	79.9	80.0	80.0
≥ 1000	70.5	75.3	75.5	76.3	77.8	78.0	79.2	80.2	80.4	80.9	81.3	81.3	81.4	81.5	81.6	81.6
≥ 900	70.7	75.6	75.9	76.6	78.2	78.4	79.6	80.8	81.0	81.4	81.9	81.9	82.0	82.1	82.2	82.2
≥ 800	71.1	76.8	77.2	78.0	79.5	79.8	81.0	82.1	82.3	82.8	83.2	83.2	83.3	83.4	83.5	83.5
≥ 700	71.4	77.3	77.8	78.6	80.2	80.4	81.9	83.0	83.2	83.6	84.2	84.2	84.3	84.4	84.5	84.5
≥ 600	71.6	77.9	78.4	79.3	80.9	81.1	82.6	84.1	84.3	84.8	85.4	85.4	85.5	85.7	85.8	85.8
≥ 500	72.1	78.4	79.1	80.1	81.8	82.2	83.8	86.0	86.3	86.8	87.4	87.4	87.8	87.9	88.0	88.0
≥ 400	72.1	78.8	79.4	80.4	82.1	82.6	84.6	87.3	88.1	88.8	89.4	89.4	89.9	90.0	90.2	90.2
≥ 300	72.6	79.6	80.4	81.6	83.5	84.1	86.5	90.0	91.0	92.0	92.7	92.8	93.2	93.3	93.9	94.0
≥ 200	72.6	79.6	80.4	81.8	83.8	84.3	86.9	90.4	91.5	93.1	94.3	94.4	95.1	95.6	96.8	97.6
≥ 100	72.6	79.6	80.4	81.8	83.8	84.3	86.9	90.5	91.7	93.2	94.9	95.0	95.9	96.3	97.7	100.0
≥ 0	72.6	79.6	80.4	81.8	83.8	84.3	86.9	90.5	91.7	93.2	94.9	95.0	95.9	96.3	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2414
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING -FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	35.2	36.4	36.7	37.0	37.4	37.7	37.9	38.4	38.4	39.0	39.2	39.2	39.6	39.6	40.1	40.1
≥ 20000	38.4	39.2	39.4	39.8	40.2	40.4	40.7	41.2	41.2	41.9	42.1	42.1	42.4	42.4	43.0	43.0
≥ 18000	39.6	40.3	40.6	40.9	41.3	41.6	41.8	42.3	42.3	43.0	43.2	43.2	43.6	43.6	44.1	44.1
IV 16000	40.0	40.8	41.0	41.3	41.8	42.0	42.2	42.6	42.8	43.4	43.7	43.7	44.0	44.0	44.6	44.6
≥ 14000	41.1	41.9	42.1	42.4	43.0	43.2	43.4	44.0	44.0	44.7	44.9	44.9	45.3	45.3	45.9	45.9
IV 12000	42.7	43.4	43.7	44.0	44.6	44.8	45.0	45.6	45.6	46.3	46.6	46.6	47.0	47.0	47.6	47.6
≥ 10000	47.2	48.1	48.3	48.7	49.2	49.4	49.7	50.2	50.2	51.0	51.2	51.2	51.7	51.7	52.2	52.2
IV 9000	48.3	49.3	49.7	50.0	50.7	50.9	51.1	51.7	51.7	52.4	52.7	52.7	53.1	53.1	53.7	53.7
≥ 8000	49.9	50.9	51.2	51.6	52.2	52.4	52.7	53.4	53.4	54.3	54.6	54.6	55.1	55.0	55.6	55.6
IV 7000	53.6	54.6	54.9	55.3	56.1	56.4	56.9	57.7	57.7	58.6	58.8	58.8	59.2	59.2	59.8	59.8
≥ 6000	55.4	56.9	57.2	57.7	58.4	58.8	59.2	60.0	60.0	60.9	61.1	61.1	61.6	61.6	62.1	62.1
IV 5000	56.4	60.7	61.0	61.4	62.2	62.6	63.0	63.8	63.8	64.8	65.1	65.1	65.6	65.6	66.2	66.2
≥ 4500	61.1	63.6	64.1	64.6	65.3	65.7	66.1	66.9	66.9	67.9	68.2	68.2	68.7	68.7	69.3	69.3
IV 4000	62.8	65.7	66.2	66.7	67.4	67.8	68.2	69.0	69.0	70.0	70.3	70.3	70.8	70.8	71.4	71.4
≥ 3500	63.7	66.6	67.1	67.6	68.4	68.8	69.2	70.0	70.0	71.0	71.3	71.3	71.8	71.8	72.4	72.4
IV 3000	64.6	68.0	68.6	69.0	69.9	70.2	70.7	71.4	71.4	72.4	72.8	72.8	73.2	73.2	73.9	73.9
≥ 2500	66.0	69.9	70.6	71.0	71.9	72.2	72.7	73.4	73.4	74.6	74.9	75.0	75.4	75.4	76.1	76.1
IV 2000	67.6	71.7	72.3	72.8	73.8	74.6	75.0	76.0	76.0	77.1	77.4	77.6	78.0	78.0	78.7	78.7
≥ 1800	68.0	72.2	72.9	73.3	74.3	75.1	75.6	76.6	76.6	77.7	78.0	78.1	78.6	78.6	79.2	79.2
IV 1500	68.3	72.8	73.4	73.9	74.9	75.7	76.1	77.1	77.1	78.3	78.7	78.8	79.2	79.2	79.9	79.9
≥ 1200	68.8	74.1	74.8	75.2	76.2	77.0	77.4	78.4	78.4	79.8	80.1	80.2	80.7	80.7	81.3	81.3
IV 1000	69.1	74.6	75.3	75.8	76.8	77.6	78.0	79.0	79.1	80.4	80.8	80.9	81.3	81.3	82.0	82.0
≥ 900	69.1	74.6	75.4	75.9	76.9	77.8	78.3	79.3	79.4	80.8	81.1	81.2	81.7	81.7	82.3	82.3
IV 800	69.1	74.7	75.6	76.0	77.1	78.0	78.7	79.7	79.8	81.1	81.4	81.6	82.0	82.0	82.7	82.7
≥ 700	69.4	75.2	76.1	76.6	77.9	78.8	79.6	80.6	80.7	82.0	82.3	82.4	82.9	82.9	83.6	83.6
IV 600	69.7	75.9	76.8	77.3	78.7	79.7	80.6	81.8	81.9	83.2	83.6	83.8	84.2	84.2	84.9	84.9
≥ 500	69.9	77.1	78.3	79.0	80.6	81.6	82.4	84.2	84.3	85.7	86.1	86.4	86.9	86.9	87.6	87.6
IV 400	70.4	78.0	79.2	80.1	81.8	82.8	84.0	85.8	86.1	87.4	87.9	88.2	88.7	88.7	89.4	89.4
≥ 300	70.8	78.7	79.9	81.2	83.2	84.2	85.8	88.1	88.7	90.4	91.0	91.6	92.1	92.4	93.3	93.3
IV 200	71.2	79.2	80.4	81.9	83.9	85.0	86.6	89.6	90.2	92.3	93.6	94.1	95.4	96.1	97.6	98.7
≥ 100	71.2	79.2	80.4	81.9	83.9	85.0	86.6	89.6	90.3	92.4	93.7	94.2	95.7	96.3	98.0	100.0
IV 0	71.2	79.2	80.4	81.9	83.9	85.0	86.6	89.6	90.3	92.4	93.7	94.2	95.7	96.3	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2414
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	30.2	30.9	31.2	31.4	31.8	31.8	32.1	32.4	32.5	32.7	32.9	32.9	33.2	33.3	33.9	34.7
≥ 20000	33.6	34.3	34.6	34.9	35.3	35.3	35.6	35.9	36.1	36.2	36.5	36.5	36.8	36.9	37.5	38.3
≥ 18000	34.3	35.1	35.4	35.6	36.0	36.1	36.4	36.7	36.8	37.0	37.2	37.2	37.5	37.7	38.2	39.1
≥ 16000	34.7	35.5	35.9	36.1	36.5	36.6	36.8	37.1	37.2	37.5	37.7	37.7	38.0	38.1	38.7	39.5
≥ 14000	36.1	36.8	37.2	37.4	37.9	37.9	38.2	38.5	38.6	38.8	39.1	39.1	39.4	39.5	40.1	40.9
≥ 12000	38.6	39.5	39.9	40.1	40.6	40.6	40.9	41.2	41.3	41.5	41.8	41.8	42.1	42.2	42.8	43.6
≥ 10000	41.8	43.1	43.3	43.6	44.0	44.1	44.4	44.8	44.9	45.1	45.3	45.4	45.7	45.8	46.4	47.2
≥ 9000	43.7	44.9	45.3	45.6	46.1	46.1	46.4	46.8	46.9	47.1	47.4	47.5	47.8	47.9	48.5	49.3
≥ 8000	45.3	47.6	48.1	48.3	48.8	48.9	49.2	49.6	49.7	50.0	50.3	50.3	50.6	50.8	51.4	52.2
≥ 7000	49.2	50.7	51.1	51.4	52.0	52.1	52.4	52.9	53.0	53.3	53.7	53.7	54.1	54.2	54.8	55.6
≥ 6000	50.9	52.6	53.1	53.3	54.0	54.1	54.4	54.9	55.0	55.3	55.7	55.7	56.1	56.2	56.8	57.6
≥ 5000	53.3	55.5	55.9	56.3	56.9	57.0	57.3	57.8	58.0	58.3	58.7	58.8	59.1	59.3	59.9	60.7
≥ 4500	54.8	57.1	57.6	57.9	58.6	58.7	59.0	59.5	59.6	60.0	60.4	60.4	60.8	60.9	61.5	62.4
≥ 4000	56.3	58.8	59.4	59.8	60.4	60.5	60.9	61.4	61.5	61.9	62.3	62.3	62.7	62.9	63.4	64.3
≥ 3500	57.2	59.8	60.5	60.9	61.7	61.8	62.1	62.7	62.8	63.1	63.6	63.6	64.0	64.1	64.7	65.5
≥ 3000	58.6	61.7	62.3	63.0	63.8	64.0	64.3	64.8	65.0	65.3	65.8	65.8	66.2	66.4	67.0	67.8
≥ 2500	60.0	63.6	64.3	65.0	66.0	66.1	66.5	67.1	67.2	67.6	68.1	68.1	68.5	68.7	69.3	70.1
≥ 2000	61.2	65.1	65.9	66.5	67.6	67.8	68.3	68.9	69.0	69.4	69.9	69.9	70.3	70.5	71.1	71.9
≥ 1800	61.5	65.5	66.3	67.0	68.1	68.3	68.8	69.4	69.5	69.9	70.4	70.5	70.9	71.0	71.6	72.5
≥ 1500	62.1	66.3	67.2	67.9	69.0	69.3	69.8	70.4	70.6	71.0	71.5	71.6	72.0	72.1	72.8	73.6
≥ 1200	62.6	67.4	68.4	69.1	70.3	70.6	71.2	71.8	72.0	72.5	73.0	73.0	73.4	73.6	74.2	75.0
≥ 1000	63.4	68.5	69.6	70.4	71.7	72.0	72.7	73.4	73.5	74.1	74.6	74.7	75.0	75.2	75.8	76.7
≥ 900	63.7	68.9	70.2	71.0	72.5	72.7	73.5	74.2	74.3	74.9	75.4	75.5	75.8	76.0	76.6	77.5
≥ 800	64.1	69.7	71.0	71.9	73.5	73.8	74.6	75.3	75.5	76.1	76.6	76.7	77.1	77.2	77.9	78.7
≥ 700	64.3	70.3	71.7	72.6	74.3	74.6	75.5	76.3	76.5	77.1	77.6	77.7	78.1	78.2	78.9	79.7
≥ 600	64.6	71.1	72.6	73.5	75.3	75.7	76.7	77.6	77.9	78.6	79.1	79.2	79.7	79.8	80.5	81.3
≥ 500	65.0	72.1	73.9	75.1	77.3	77.8	79.0	80.3	80.6	81.6	82.4	82.6	83.1	83.3	84.0	84.8
≥ 400	65.3	72.9	74.8	76.2	78.9	79.5	80.9	82.5	83.0	84.4	85.3	85.6	86.2	86.5	87.3	88.1
≥ 300	65.5	73.4	75.4	77.2	80.1	80.8	82.8	85.0	85.9	87.9	89.4	89.6	90.5	90.9	92.0	93.2
≥ 200	65.5	73.5	75.5	77.2	80.4	81.2	83.2	85.9	86.8	89.4	91.3	91.7	93.0	93.9	95.8	97.9
≥ 100	65.5	73.5	75.5	77.3	80.4	81.2	83.2	85.9	86.9	89.5	91.5	91.8	93.3	94.2	96.3	99.8
≥ 0	65.5	73.5	75.5	77.3	80.4	81.2	83.2	85.9	86.9	89.5	91.5	91.8	93.3	94.2	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7198

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20014
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	26.1	26.7	26.9	27.3	27.7	27.7	28.2	28.3	28.6	29.4	29.9	29.9	30.5	30.8	32.3	32.3
≥ 20000	28.7	29.2	29.5	29.9	30.3	30.3	30.8	30.9	31.2	31.9	32.5	32.5	33.1	33.3	34.6	34.8
≥ 18000	28.7	29.2	29.5	29.9	30.3	30.3	30.8	30.9	31.2	31.9	32.5	32.5	33.1	33.3	34.6	34.8
≥ 16000	28.9	29.5	29.7	30.1	30.5	30.5	31.0	31.1	31.4	32.2	32.7	32.7	33.3	33.5	34.8	35.1
≥ 14000	30.0	30.5	30.8	31.2	31.6	31.6	32.0	32.2	32.5	33.2	33.8	33.8	34.4	34.6	35.9	36.1
≥ 12000	32.5	33.1	33.3	33.8	34.2	34.2	34.6	34.7	35.1	35.8	36.3	36.3	37.0	37.2	38.6	38.8
≥ 10000	34.6	35.3	35.5	35.9	36.3	36.3	36.8	36.9	37.2	38.0	38.5	38.5	39.1	39.4	40.8	41.0
≥ 9000	35.4	36.3	36.6	37.0	37.4	37.4	37.8	38.0	38.3	39.0	39.6	39.6	40.3	40.5	41.9	42.2
≥ 8000	39.4	40.3	40.5	41.0	41.4	41.4	41.8	41.9	42.3	43.0	43.7	43.7	44.4	44.7	46.1	46.3
≥ 7000	42.7	43.7	43.9	44.3	44.6	44.6	45.4	45.5	45.8	46.6	47.3	47.3	48.1	48.4	49.8	50.0
≥ 6000	44.3	45.8	46.1	46.6	47.2	47.2	47.6	48.0	48.3	49.1	49.9	49.9	50.6	51.0	52.4	52.6
≥ 5000	46.2	47.2	47.5	48.0	48.8	48.8	49.2	49.6	49.9	50.8	51.5	51.5	52.3	52.6	54.0	54.2
≥ 4500	46.8	47.7	48.1	48.5	49.6	49.6	50.0	50.3	50.6	51.5	52.3	52.3	53.0	53.3	54.7	54.9
≥ 4000	48.8	49.8	50.1	50.5	51.6	51.6	52.2	52.7	53.0	53.9	54.6	54.6	55.4	55.7	57.1	57.3
≥ 3500	50.2	51.4	51.7	52.2	53.2	53.2	53.8	54.3	54.6	55.5	56.2	56.2	57.0	57.3	58.7	58.9
≥ 3000	51.7	53.2	53.7	54.3	55.5	55.5	56.0	56.6	56.9	57.7	58.5	58.5	59.2	59.6	61.0	61.2
≥ 2500	52.9	54.2	54.6	55.3	56.6	56.6	57.1	57.7	58.1	58.9	59.7	59.7	60.4	60.8	62.2	62.4
≥ 2000	53.1	54.8	55.3	55.9	57.5	57.5	58.1	58.7	59.0	59.9	60.6	60.6	61.4	61.7	63.1	63.3
≥ 1800	53.9	55.4	55.8	56.5	58.1	58.1	58.6	59.2	59.6	60.4	61.2	61.2	61.9	62.3	63.7	63.9
≥ 1500	54.0	56.9	57.7	57.6	59.4	59.4	59.9	60.5	61.0	61.8	62.6	62.6	63.3	63.7	65.1	65.3
≥ 1200	54.6	57.3	57.8	58.5	60.2	60.2	60.8	61.4	61.9	62.9	63.7	63.7	64.4	64.7	66.1	66.3
≥ 1000	55.7	59.3	59.7	60.3	62.3	62.4	63.0	63.7	64.2	65.2	65.9	65.9	66.7	67.0	68.4	68.6
≥ 900	56.2	59.9	60.8	61.4	63.4	63.5	64.5	65.2	65.7	66.7	67.4	67.4	68.2	68.5	69.9	70.1
≥ 800	56.8	60.8	61.7	62.4	65.1	65.2	66.1	66.9	67.5	68.7	69.5	69.5	70.2	70.5	71.9	72.2
≥ 700	57.4	61.5	62.6	63.3	66.1	66.2	67.3	68.2	68.8	70.0	70.8	70.8	71.5	71.8	73.2	73.4
≥ 600	58.0	62.4	63.7	64.4	67.3	67.4	68.6	69.6	70.2	71.8	72.6	72.6	73.4	73.8	75.2	75.4
≥ 500	59.1	64.3	65.7	66.5	69.6	69.8	71.4	72.9	73.8	75.8	76.7	76.7	77.7	78.1	79.8	80.1
≥ 400	59.4	65.8	67.1	67.8	71.3	71.5	73.5	75.4	76.3	78.5	79.5	79.5	80.6	81.2	83.1	83.5
≥ 300	59.4	66.7	68.3	69.1	72.9	73.4	75.9	78.3	79.6	82.3	84.2	84.2	85.8	86.7	89.5	90.1
≥ 200	59.5	67.0	68.8	69.6	73.4	74.0	76.8	79.6	80.9	84.5	87.5	87.5	90.6	91.9	96.1	97.4
≥ 100	59.5	67.0	68.8	69.6	73.4	74.0	76.8	79.6	81.0	84.7	87.8	88.1	91.3	92.6	97.6	99.8
≥ 0	59.5	67.0	68.8	69.6	73.4	74.0	76.8	79.6	81.0	84.7	87.8	88.1	91.3	92.6	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AFD WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	23.3	24.5	24.9	25.1	25.3	25.5	25.9	26.3	26.6	26.7	27.0	27.0	27.3	27.4	27.8	28.1
≥ 20000	25.7	26.5	26.9	27.1	27.2	27.4	27.8	28.3	28.5	28.6	28.9	28.9	29.2	29.4	29.8	30.0
≥ 18000	26.1	26.9	27.2	27.3	27.5	27.7	28.2	28.6	28.8	28.9	29.2	29.2	29.6	29.8	30.2	30.4
≥ 16000	26.2	27.0	27.4	27.5	27.7	28.0	28.4	28.8	29.0	29.1	29.5	29.5	29.8	30.0	30.4	30.6
≥ 14000	27.3	28.2	28.6	28.7	28.9	29.1	29.6	30.0	30.2	30.3	30.6	30.6	31.0	31.2	31.6	31.8
≥ 12000	28.3	29.7	30.1	30.2	30.4	30.6	31.1	31.5	31.7	31.8	32.2	32.2	32.5	32.7	33.1	33.4
≥ 10000	30.4	31.3	31.7	31.8	32.0	32.3	32.9	33.3	33.5	33.7	34.0	34.0	34.3	34.5	34.9	35.3
≥ 9000	31.3	32.2	32.6	32.7	32.9	33.2	34.0	34.4	34.6	34.7	35.1	35.1	35.4	35.6	36.0	36.5
≥ 8000	33.9	34.7	35.2	35.3	35.6	35.9	36.7	37.1	37.3	37.4	37.7	37.7	38.2	38.5	39.2	39.8
≥ 7000	37.8	38.9	39.4	39.6	40.2	40.5	41.3	41.7	42.0	42.2	42.5	42.5	42.9	43.2	44.0	44.5
≥ 6000	47.1	41.2	41.6	41.8	42.7	43.0	43.8	44.4	44.7	44.8	45.2	45.2	45.6	45.9	46.7	47.2
≥ 5000	43.2	44.4	44.8	45.1	46.0	46.3	47.1	47.7	48.1	48.2	48.5	48.5	48.9	49.2	50.0	50.5
≥ 4500	44.1	45.6	46.3	46.6	47.5	47.8	48.6	49.2	49.6	49.7	50.0	50.0	50.4	50.8	51.5	52.0
≥ 4000	45.7	47.4	48.2	48.5	49.5	49.8	50.6	51.3	51.6	51.7	52.0	52.0	52.5	52.8	53.5	54.1
≥ 3500	46.7	48.5	49.2	49.7	50.6	51.1	51.9	52.6	52.9	53.0	53.3	53.3	53.8	54.1	54.8	55.4
≥ 3000	49.2	50.3	51.3	51.7	52.8	53.2	54.1	54.7	55.1	55.2	55.5	55.5	55.9	56.3	57.1	57.6
≥ 2500	49.7	52.0	53.1	53.5	54.6	55.1	55.9	56.7	57.0	57.1	57.4	57.4	57.8	58.3	59.0	59.6
≥ 2000	49.9	52.3	53.3	53.8	54.8	55.3	56.1	56.9	57.2	57.4	57.7	57.7	58.2	58.6	59.4	59.9
≥ 1800	50.1	52.6	53.7	54.1	55.2	55.6	56.5	57.2	57.5	57.7	58.1	58.1	58.5	58.9	59.7	60.2
≥ 1500	50.6	53.7	54.8	55.4	56.5	56.9	57.8	58.6	58.9	59.1	59.5	59.5	59.9	60.3	61.1	61.6
≥ 1200	51.7	55.1	56.2	56.8	57.8	58.3	59.5	60.3	60.6	60.9	61.2	61.2	61.6	62.0	62.8	63.3
≥ 1000	53.4	57.0	58.3	58.8	60.2	60.6	61.9	62.8	63.1	63.3	63.7	63.7	64.1	64.5	65.3	65.8
≥ 900	53.7	58.1	59.4	59.9	61.3	61.8	63.5	64.4	64.7	64.9	65.3	65.3	65.7	66.1	66.9	67.4
≥ 800	54.7	59.7	61.1	61.6	63.5	64.1	65.9	66.8	67.1	67.3	67.6	67.6	68.1	68.5	69.2	69.8
≥ 700	55.8	60.9	62.3	62.8	64.8	65.4	67.3	68.3	68.7	68.9	69.2	69.2	69.7	70.1	70.9	71.4
≥ 600	55.9	61.4	63.1	63.7	66.1	66.8	68.9	70.1	70.6	71.4	71.7	71.7	72.2	72.6	73.3	73.9
≥ 500	56.7	64.0	66.0	66.6	69.2	69.9	72.5	73.9	74.6	75.4	75.8	75.8	76.2	76.7	77.4	78.0
≥ 400	57.2	65.2	67.2	67.8	70.9	71.5	74.1	75.7	76.9	77.7	78.2	78.2	78.9	79.4	80.2	81.3
≥ 300	57.3	66.0	68.3	68.9	72.2	72.9	75.6	77.7	79.6	81.4	82.5	82.6	83.4	84.4	86.2	87.6
≥ 200	57.4	66.3	68.6	69.2	73.5	74.3	77.2	79.6	81.6	84.0	85.9	86.0	88.0	89.4	93.4	96.0
≥ 100	57.4	66.3	68.6	69.2	73.7	74.4	77.4	79.8	81.8	84.3	86.3	86.5	88.4	90.1	94.4	99.7
≥ 0	57.4	66.3	68.6	69.2	73.7	74.4	77.4	79.8	81.8	84.3	86.3	86.5	88.4	90.1	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0500-0800
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING	22.0	23.4	23.7	23.8	24.1	24.1	24.2	24.4	24.6	25.1	25.2	25.3	25.6	25.7	26.3	26.6
≥ 20000	24.2	25.6	25.9	25.9	26.2	26.2	26.3	26.6	26.8	27.2	27.3	27.4	27.7	28.3	28.6	28.9
≥ 18000	24.5	25.9	26.1	26.2	26.6	26.6	26.7	26.9	27.1	27.5	27.6	27.7	28.1	28.3	28.9	29.2
≥ 16000	24.6	26.1	26.2	26.3	26.8	26.8	26.9	27.1	27.3	27.7	27.8	28.0	28.3	28.5	29.1	29.5
≥ 14000	25.2	26.7	26.9	27.1	27.4	27.4	27.5	27.7	28.0	28.4	28.5	28.6	28.9	29.1	29.9	30.2
≥ 12000	25.3	28.1	28.2	26.3	28.7	28.7	28.8	29.0	29.2	29.7	29.8	29.9	30.2	30.4	31.2	31.5
≥ 10000	29.5	31.1	31.3	31.5	32.0	32.0	32.3	32.6	32.8	33.2	33.3	33.4	33.8	34.0	34.7	35.1
≥ 9000	30.4	32.0	32.3	32.5	33.0	33.0	33.3	33.8	34.0	34.4	34.5	34.6	34.9	35.2	35.9	36.2
≥ 8000	32.6	34.3	34.6	34.8	35.4	35.4	35.7	36.1	36.3	36.9	37.0	37.1	37.4	37.6	38.4	38.7
≥ 7000	35.3	37.1	37.4	37.6	38.3	38.3	38.6	39.0	39.2	39.6	40.0	40.1	40.4	40.6	41.4	41.7
≥ 6000	37.1	39.9	39.4	39.6	40.3	40.3	40.8	41.2	41.4	41.9	42.2	42.3	42.6	42.8	43.5	43.9
≥ 5000	39.7	41.6	42.0	42.3	43.0	43.0	43.4	44.0	44.4	44.9	45.2	45.3	45.6	45.8	46.6	46.9
≥ 4500	41.5	43.7	44.3	44.6	45.7	45.7	46.1	46.7	47.1	47.6	47.8	48.0	48.3	48.5	49.2	49.6
≥ 4000	42.9	45.2	45.8	46.1	47.2	47.3	48.0	48.5	48.9	49.5	49.7	49.8	50.1	50.3	51.1	51.4
≥ 3500	43.8	46.1	46.8	47.2	48.3	48.4	49.1	49.7	50.1	50.6	50.9	51.0	51.3	51.5	52.3	52.6
≥ 3000	45.6	47.8	48.6	49.0	50.1	50.3	51.2	51.7	52.3	52.9	53.1	53.2	53.5	53.8	54.5	54.8
≥ 2500	46.9	49.4	50.2	51.0	52.0	52.3	53.1	53.7	54.2	54.8	55.1	55.2	55.6	55.8	56.6	56.9
≥ 2000	47.7	50.4	51.3	52.0	53.1	53.3	54.2	54.9	55.5	56.2	56.5	56.6	57.0	57.3	58.3	58.6
≥ 1800	47.7	50.9	51.7	52.5	53.5	53.8	54.6	55.4	56.0	56.8	57.0	57.1	57.5	57.8	58.8	59.1
≥ 1500	48.2	51.6	52.5	53.3	54.4	54.6	55.5	56.2	56.9	57.6	57.8	58.0	58.4	58.7	59.7	60.0
≥ 1200	49.0	52.5	53.4	54.3	55.5	55.7	56.6	57.3	58.0	58.7	58.9	59.0	59.5	59.8	60.8	61.1
≥ 1000	50.0	54.1	55.2	56.1	57.5	57.8	58.8	59.7	60.4	61.2	61.4	61.5	61.9	62.3	63.2	63.5
≥ 900	51.9	55.2	56.2	57.3	58.9	59.2	60.5	61.5	62.3	63.1	63.3	63.4	63.9	64.2	65.2	65.5
≥ 800	50.8	55.6	56.8	57.8	59.5	59.9	61.4	62.4	63.1	64.4	64.6	64.7	65.2	65.5	66.5	66.8
≥ 700	51.6	56.7	58.1	59.0	60.6	61.1	62.7	63.9	64.7	66.1	66.3	66.5	67.0	67.3	68.3	68.6
≥ 600	52.3	57.4	58.8	59.9	62.0	62.5	64.3	65.7	66.7	68.5	68.7	68.8	69.5	69.8	70.8	71.2
≥ 500	52.8	59.1	61.3	62.3	64.7	65.2	67.3	69.2	70.5	72.5	73.0	73.1	74.0	74.3	75.4	75.8
≥ 400	53.4	60.4	62.5	64.1	67.1	67.6	69.9	72.2	73.5	75.8	76.6	76.7	77.8	78.4	80.2	81.0
≥ 300	53.4	60.8	63.1	65.2	69.0	69.7	72.9	75.3	76.9	80.0	81.6	81.8	83.4	84.3	87.0	88.4
≥ 200	53.5	61.2	63.8	66.0	70.1	70.8	74.1	77.0	78.6	82.6	84.7	85.1	88.2	89.8	94.3	97.0
≥ 100	53.5	61.2	63.8	66.0	70.1	70.8	74.2	77.1	78.7	82.7	84.9	85.3	88.6	90.4	95.5	100.0
≥ 0	53.5	61.2	63.8	66.0	70.1	70.8	74.2	77.1	78.7	82.7	84.9	85.3	88.6	90.4	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14-14 FAIRCHILD AFB TX

69-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING	21.6	22.9	23.4	25.7	24.2	24.4	24.5	24.9	24.9	25.6	25.9	26.2	26.5	26.6	27.1	27.6
≥ 20000	24.4	25.7	26.3	26.6	27.2	27.6	27.7	28.2	28.3	28.9	29.2	29.6	29.9	30.0	31.5	31.2
≥ 18000	25.5	26.9	27.5	27.7	28.4	28.8	28.9	29.4	29.5	30.1	30.4	30.8	31.1	31.2	31.7	32.4
≥ 16000	25.5	26.9	27.5	27.8	28.5	28.9	29.0	29.5	29.6	30.2	30.5	30.9	31.2	31.3	31.8	32.5
≥ 14000	27.7	28.4	29.1	29.5	30.1	30.6	30.8	31.2	31.3	31.9	32.3	32.6	32.9	33.0	33.5	34.2
≥ 12000	28.6	30.3	30.8	31.1	31.7	32.3	32.4	32.8	32.9	33.5	33.9	34.2	34.5	34.6	35.3	35.9
≥ 10000	32.7	34.1	34.8	35.2	35.9	36.5	36.6	37.0	37.1	37.7	38.1	38.4	38.7	38.8	39.5	40.1
≥ 9000	33.5	35.1	35.8	36.1	37.3	37.5	37.8	38.3	38.4	39.0	39.4	39.7	40.0	40.1	40.8	41.4
≥ 8000	35.9	37.5	38.3	38.6	39.6	40.1	40.4	40.9	41.0	41.6	41.9	42.3	42.6	42.7	43.3	44.0
≥ 7000	36.8	40.4	41.2	41.5	42.5	43.0	43.3	43.8	43.9	44.5	44.8	45.2	45.5	45.6	46.2	46.9
≥ 6000	43.5	42.4	43.1	43.4	44.5	45.1	45.4	45.8	45.9	46.6	46.9	47.2	47.5	47.6	48.3	48.9
≥ 5000	43.0	44.9	45.7	46.0	47.1	47.6	48.0	48.4	48.5	49.1	49.5	49.8	50.1	50.2	50.9	51.5
≥ 4500	43.9	46.0	46.9	47.3	48.6	49.1	49.5	49.9	50.0	50.6	51.0	51.3	51.6	51.7	52.4	53.0
≥ 4000	45.6	48.2	49.0	49.6	51.0	51.5	51.8	52.3	52.4	53.0	53.3	53.7	54.0	54.1	54.7	55.4
≥ 3500	46.5	49.4	50.5	51.3	52.7	53.3	53.7	54.1	54.2	54.8	55.2	55.5	55.8	55.9	56.6	57.2
≥ 3000	47.7	50.8	52.3	53.3	54.9	55.6	56.0	56.6	56.7	57.3	57.6	58.3	58.3	58.4	59.0	59.7
≥ 2500	48.8	52.4	54.1	55.5	57.4	58.2	59.7	59.2	59.4	60.0	60.3	60.6	61.0	61.1	61.7	62.4
≥ 2000	50.1	54.1	55.9	57.4	59.5	60.3	60.9	61.4	61.6	62.4	62.7	63.0	63.3	63.4	64.1	64.8
≥ 1800	50.4	54.4	56.8	58.1	60.1	61.0	61.6	62.2	62.4	63.1	63.4	63.8	64.1	64.2	64.8	65.6
≥ 1500	51.2	55.3	57.5	59.0	61.4	62.3	63.1	63.7	63.9	64.7	65.1	65.4	65.7	65.8	66.5	67.2
≥ 1200	51.7	56.3	58.7	60.5	62.9	63.8	64.7	65.3	65.5	66.3	66.7	67.0	67.3	67.4	68.1	68.8
≥ 1000	52.3	57.1	59.7	61.5	64.2	65.1	66.1	66.7	66.9	67.8	68.2	68.5	68.8	68.9	69.6	70.3
≥ 900	52.8	57.8	60.2	62.3	65.2	66.1	67.2	67.8	68.1	69.1	69.5	69.8	70.1	70.2	70.9	71.6
≥ 800	52.9	57.8	60.4	62.6	65.6	66.6	67.7	68.5	68.8	70.1	70.5	70.9	71.3	71.4	72.2	72.9
≥ 700	53.2	58.5	61.1	63.5	66.7	68.0	69.4	70.1	70.4	71.8	72.3	72.6	73.0	73.1	73.9	74.6
≥ 600	53.5	59.1	61.8	64.4	68.2	69.5	70.9	71.7	72.3	74.0	74.4	74.7	75.3	75.4	76.1	76.9
≥ 500	54.0	59.8	62.5	65.8	70.0	71.4	73.3	74.4	75.2	77.4	78.5	78.8	79.5	79.7	80.5	81.4
≥ 400	54.1	60.2	63.3	66.7	71.7	73.5	75.6	76.8	77.8	80.2	81.9	82.3	83.4	83.8	84.7	85.6
≥ 300	54.1	63.4	63.7	67.3	72.7	74.8	77.5	78.9	80.5	83.4	86.5	86.9	89.1	89.9	91.2	92.8
≥ 200	54.2	63.4	64.1	67.6	73.4	75.3	78.2	79.6	81.3	84.5	88.1	88.5	91.7	93.0	95.4	98.0
≥ 100	54.1	60.4	64.1	67.6	73.1	75.3	78.2	79.6	81.3	84.5	88.1	88.5	92.0	93.3	96.3	99.9
≥ 0	54.1	60.4	64.1	67.6	73.1	75.3	78.2	79.6	81.3	84.5	88.1	88.5	92.0	93.3	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

5408

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1414

STATION NAME
FAIRCHILD AFB WA

YEARS
69-78

MONTH
DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS
1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	25.1	26.3	26.6	26.7	27.0	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.3	27.3	28.3
≥ 20000	28.5	33.1	33.3	32.4	31.1	31.1	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.6	31.6	32.6
≥ 18000	29.8	31.5	31.8	31.9	32.6	32.6	32.9	33.0	33.0	33.0	33.0	33.0	33.0	33.2	33.2	34.2
≥ 16000	29.9	31.6	31.9	32.0	32.7	32.7	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.3	33.3	34.3
≥ 14000	32.2	34.1	34.3	34.4	35.3	35.3	35.6	35.8	35.8	35.8	35.8	35.8	35.8	36.0	36.0	37.0
≥ 12000	34.9	36.9	37.4	37.5	38.5	38.5	38.8	39.0	39.0	39.0	39.1	39.1	39.1	39.4	39.5	40.5
≥ 10000	37.4	39.6	40.2	40.3	41.3	41.3	41.6	41.8	41.8	42.0	42.0	42.0	42.0	42.3	42.4	43.4
≥ 9000	38.4	40.5	41.2	41.3	42.5	42.5	42.8	43.0	43.0	43.2	43.2	43.2	43.2	43.4	43.5	44.6
≥ 8000	41.3	43.4	44.1	44.2	45.4	45.4	45.7	45.9	45.9	46.1	46.1	46.1	46.1	46.3	46.5	47.6
≥ 7000	44.4	46.7	47.3	47.4	48.7	48.7	49.0	49.2	49.2	49.5	49.5	49.5	49.5	49.7	49.8	50.5
≥ 6000	46.0	48.4	49.0	49.1	50.4	50.4	50.8	51.0	51.0	51.2	51.2	51.2	51.2	51.4	51.5	52.3
≥ 5000	49.1	51.8	52.6	52.8	54.2	54.2	54.5	54.7	54.7	54.9	54.9	54.9	54.9	55.2	55.3	56.1
≥ 4500	51.1	52.8	53.5	53.8	55.2	55.2	55.5	55.7	55.7	55.9	55.9	55.9	55.9	56.1	56.2	57.1
≥ 4000	50.9	54.1	54.8	55.1	56.7	56.8	57.1	57.3	57.3	57.5	57.5	57.5	57.5	57.7	57.8	59.1
≥ 3500	51.4	55.1	55.8	56.1	58.0	58.1	58.4	58.6	58.6	58.8	58.8	58.8	58.8	59.0	59.1	60.0
≥ 3000	53.9	57.8	58.6	59.4	61.6	61.7	62.6	62.9	63.0	63.2	63.2	63.2	63.2	63.4	63.5	64.4
≥ 2500	55.7	60.3	61.2	62.0	64.5	64.7	65.6	66.0	66.1	66.5	66.5	66.5	66.5	66.7	66.8	68.2
≥ 2000	57.1	62.3	63.3	64.2	67.0	67.2	68.2	68.8	68.9	69.2	69.2	69.2	69.2	69.5	69.7	70.5
≥ 1800	57.3	62.5	63.5	64.4	67.2	67.4	68.4	69.0	69.1	69.5	69.5	69.5	69.5	69.7	69.9	70.8
≥ 1500	57.8	63.1	64.4	65.3	68.2	68.7	69.7	70.3	70.4	70.8	70.8	70.8	70.8	71.0	71.2	72.0
≥ 1200	58.9	64.4	65.9	67.1	70.0	70.5	71.5	72.2	72.3	72.6	72.6	72.6	72.6	72.8	73.0	74.4
≥ 1000	60.0	66.1	67.7	69.1	72.0	72.6	73.8	74.4	74.5	74.8	74.8	74.8	74.8	75.1	75.3	76.1
≥ 900	60.5	66.8	68.6	70.0	73.1	73.9	75.1	75.7	75.8	76.1	76.1	76.1	76.1	76.3	76.6	77.4
≥ 800	61.3	67.8	69.7	71.1	74.5	75.3	76.5	77.1	77.3	77.7	77.7	77.7	77.7	78.0	78.2	79.0
≥ 700	61.6	68.6	70.4	72.3	75.7	76.5	77.6	78.3	78.5	78.9	78.9	78.9	78.9	79.1	79.4	80.2
≥ 600	62.2	69.5	71.5	73.4	77.0	77.8	79.0	79.8	80.0	80.5	80.5	80.5	80.5	80.8	81.0	81.8
≥ 500	62.5	70.3	72.1	74.8	78.7	79.6	81.2	82.4	82.9	83.8	84.0	84.0	84.0	84.2	84.5	85.5
≥ 400	62.8	71.6	74.0	77.0	81.4	82.4	84.1	85.3	86.0	87.6	88.1	88.1	88.1	88.4	88.8	90.4
≥ 300	63.1	72.2	75.0	78.1	83.1	84.3	86.3	87.8	88.8	91.3	92.6	92.6	92.6	93.8	94.4	96.1
≥ 200	63.1	72.2	75.0	78.3	83.4	84.6	86.7	88.3	89.4	91.9	93.4	93.4	93.4	94.9	95.9	97.8
≥ 100	63.1	72.2	75.3	78.3	83.4	84.6	86.7	88.3	89.4	91.9	93.7	93.7	93.7	95.3	96.2	98.5
≥ 0	53.1	72.2	75.3	78.3	83.4	84.6	86.7	88.3	89.4	91.9	93.7	93.7	93.7	95.3	96.2	98.5

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅕	≥0
NO CEILING	29.6	30.9	30.9	30.9	31.1	31.1	31.1	31.2	31.3	31.3	31.4	31.4	31.5	31.6	31.9	32.0
≥ 20000	32.8	34.2	34.2	34.2	34.5	34.5	34.6	34.8	34.9	34.9	35.1	35.1	35.2	35.3	35.6	35.7
IV 18000	33.5	34.9	34.9	34.9	35.3	35.4	35.5	35.7	35.8	35.8	35.9	35.9	36.0	36.1	36.5	36.6
IV 16000	33.8	35.2	35.2	35.2	35.5	35.6	35.7	35.9	36.0	36.0	36.1	36.1	36.2	36.3	36.7	36.8
IV 14000	35.1	36.6	36.6	36.6	36.9	37.0	37.1	37.3	37.4	37.4	37.5	37.5	37.6	37.7	38.1	38.2
IV 12000	37.1	38.6	38.6	38.6	38.9	39.0	39.1	39.4	39.6	39.6	39.7	39.7	39.8	39.9	40.3	40.4
IV 10000	39.9	41.6	41.6	41.6	41.9	42.0	42.2	42.4	42.6	42.6	42.7	42.7	42.8	42.9	43.3	43.4
IV 9000	41.3	43.0	43.0	43.0	43.3	43.4	43.5	43.8	44.0	44.0	44.1	44.1	44.2	44.3	44.7	44.8
IV 8000	44.2	46.0	46.0	46.0	46.3	46.5	46.6	46.8	47.0	47.1	47.3	47.3	47.4	47.5	48.1	48.2
IV 7000	46.8	48.8	48.8	48.8	49.4	49.7	49.8	50.1	50.3	50.4	50.6	50.6	50.8	50.9	51.4	51.5
IV 6000	47.7	49.8	50.0	50.0	50.5	50.9	51.0	51.3	51.5	51.6	51.8	51.8	51.9	52.0	52.6	52.7
IV 5000	49.7	52.2	52.5	52.5	53.0	53.3	53.4	53.8	54.0	54.1	54.4	54.4	54.5	54.6	55.2	55.4
IV 4500	51.3	54.4	54.7	54.7	55.3	55.6	55.8	56.1	56.3	56.5	56.8	56.8	56.9	57.0	57.5	57.7
IV 4000	53.1	56.6	57.2	57.2	58.0	58.3	58.6	58.9	59.1	59.4	59.8	59.8	59.9	60.0	60.5	60.8
IV 3500	54.9	58.8	59.2	59.2	60.0	60.3	60.6	61.0	61.2	61.5	61.9	61.9	62.0	62.2	62.7	62.9
IV 3000	56.9	61.3	61.9	62.0	62.9	63.2	63.7	64.1	64.3	64.6	65.1	65.1	65.2	65.3	65.8	66.0
IV 2500	59.2	64.1	64.7	65.1	65.9	66.2	66.8	67.2	67.4	67.7	68.2	68.2	68.3	68.4	68.9	69.1
IV 2000	60.6	65.9	66.7	67.1	68.2	68.5	69.1	69.6	69.8	70.2	70.6	70.6	70.8	70.9	71.4	71.6
IV 1800	61.0	66.2	67.1	67.5	68.6	68.9	69.6	70.0	70.2	70.6	71.1	71.1	71.2	71.3	71.8	72.0
IV 1500	61.7	67.2	68.2	68.6	69.8	70.1	70.8	71.3	71.5	71.9	72.4	72.4	72.5	72.6	73.1	73.3
IV 1200	62.6	68.3	69.2	69.7	71.0	71.3	72.0	72.6	72.8	73.2	73.7	73.7	73.8	73.9	74.4	74.6
IV 1000	63.5	70.1	71.4	72.3	73.5	74.0	74.7	75.8	76.1	76.6	77.0	77.0	77.1	77.2	77.7	78.0
IV 900	64.2	71.2	72.5	73.3	74.6	75.1	76.0	77.2	77.5	78.0	78.4	78.4	78.5	78.6	79.1	79.4
IV 800	64.5	71.8	73.2	74.2	75.6	76.1	77.1	78.5	78.9	79.7	80.1	80.1	80.2	80.3	80.9	81.1
IV 700	64.9	72.4	73.8	75.1	76.7	77.2	78.2	79.6	80.0	80.8	81.3	81.3	81.4	81.5	82.0	82.3
IV 600	65.3	73.0	74.6	76.2	78.5	79.0	80.0	81.4	81.8	83.2	84.1	84.1	84.2	84.3	84.8	85.1
IV 500	65.4	73.3	75.1	76.9	79.4	79.9	81.3	82.8	83.2	84.9	86.0	86.1	86.3	86.5	87.0	87.2
IV 400	65.6	74.3	76.6	78.7	81.4	81.9	83.3	85.1	85.9	88.1	89.6	89.7	90.1	90.2	90.8	91.0
IV 300	65.6	74.8	77.2	79.5	82.6	83.4	85.1	86.8	88.0	91.0	93.0	93.1	94.5	94.6	95.8	96.2
IV 200	65.6	75.1	77.5	79.9	83.3	84.3	85.9	87.7	88.9	92.4	94.5	94.7	96.6	96.9	98.4	99.5
IV 100	65.6	75.1	77.5	79.9	83.3	84.3	86.0	87.8	89.1	92.4	94.7	94.9	96.9	97.2	98.7	100.0
IV 0	65.6	75.1	77.5	79.9	83.3	84.3	86.0	87.8	89.1	92.4	94.7	94.9	96.9	97.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION FAIRCHILD AFB WA

69-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS 1151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	33.8	34.2	34.2	34.2	34.2	34.3	34.4	34.5	34.5	34.5	34.7	34.7	34.8	34.9	35.4	35.6
≥ 20000	35.7	36.1	36.1	36.1	36.1	36.2	36.3	36.6	36.6	36.6	36.8	36.8	36.9	37.0	37.4	37.6
≥ 18000	36.5	36.5	36.9	36.9	36.9	37.0	37.1	37.3	37.3	37.3	37.5	37.5	37.6	37.7	38.2	38.4
≥ 16000	36.6	37.1	37.1	37.5	37.0	37.1	37.2	37.4	37.4	37.4	37.6	37.6	37.7	37.8	38.3	38.5
≥ 14000	37.5	38.0	38.0	38.0	38.0	38.1	38.2	38.4	38.4	38.4	38.6	38.6	38.7	38.8	39.2	39.5
≥ 12000	39.1	39.5	39.5	39.5	39.5	39.6	39.7	40.0	40.0	40.0	40.2	40.2	40.3	40.4	40.9	41.1
≥ 10000	40.9	41.3	41.6	41.6	41.6	41.7	41.8	42.2	42.2	42.2	42.4	42.4	42.5	42.6	43.0	43.2
≥ 9000	42.0	42.5	42.8	42.8	42.8	42.9	43.0	43.3	43.3	43.3	43.5	43.5	43.7	43.8	44.2	44.4
≥ 8000	45.3	45.7	46.0	46.1	46.1	46.2	46.5	46.9	46.9	46.9	47.1	47.1	47.2	47.3	47.7	48.0
≥ 7000	48.4	48.8	49.2	49.4	49.6	49.7	49.9	50.4	50.5	50.5	50.8	50.8	50.9	51.0	51.4	51.6
≥ 6000	51.0	51.4	51.5	52.0	52.4	52.5	52.7	53.3	53.5	53.5	53.8	53.8	53.9	54.0	54.4	54.6
≥ 5000	53.5	54.0	54.6	54.7	55.1	55.2	55.4	56.0	56.2	56.2	56.5	56.5	56.6	56.7	57.1	57.3
≥ 4500	55.5	56.1	57.1	57.1	57.5	57.6	57.8	58.5	58.7	58.7	59.0	59.0	59.1	59.2	59.7	59.9
≥ 4000	56.7	57.3	58.3	58.4	58.9	59.1	59.4	60.0	60.2	60.3	60.6	60.6	60.9	61.0	61.4	61.6
≥ 3500	57.4	58.3	59.4	59.5	60.0	60.2	60.4	61.1	61.3	61.4	61.7	61.7	61.9	62.0	62.5	62.7
≥ 3000	59.2	60.2	61.4	61.5	62.0	62.3	62.6	63.2	63.4	63.5	63.9	63.9	64.1	64.2	64.6	64.8
≥ 2500	63.5	62.2	63.3	63.4	64.1	64.3	64.6	65.3	65.5	65.6	65.9	65.9	66.1	66.2	66.7	66.9
≥ 2000	61.1	62.9	64.1	64.2	64.8	65.2	65.5	66.1	66.3	66.5	66.8	66.8	67.0	67.1	67.5	67.7
≥ 1800	61.7	63.5	64.7	64.8	65.5	65.8	66.1	66.8	67.0	67.1	67.4	67.4	67.6	67.7	68.2	68.4
≥ 1500	62.2	64.2	65.4	65.5	66.1	66.5	66.8	67.4	67.6	67.7	68.1	68.1	68.3	68.4	68.8	69.0
≥ 1200	63.2	65.6	66.8	66.9	67.6	68.0	68.4	69.2	69.5	69.6	69.9	69.9	70.1	70.2	70.6	70.9
≥ 1000	64.5	67.3	68.5	68.6	69.6	69.9	70.4	71.4	71.7	71.9	72.3	72.3	72.5	72.6	73.0	73.2
≥ 900	65.1	68.1	69.2	69.4	70.3	70.6	71.2	72.2	72.5	72.8	73.1	73.1	73.3	73.4	73.9	74.2
≥ 800	65.5	69.1	70.3	70.8	71.8	72.3	73.1	74.2	74.8	75.2	75.5	75.5	75.7	75.8	76.2	76.5
≥ 700	65.9	70.1	71.3	71.7	72.9	73.3	74.2	75.3	75.9	76.2	76.7	76.7	76.9	77.0	77.4	77.6
≥ 600	66.2	70.6	72.0	72.5	73.9	74.3	75.5	76.7	77.6	78.3	78.7	78.7	79.0	79.1	79.6	79.9
≥ 500	66.9	72.4	73.9	74.3	75.9	76.6	78.1	79.7	80.8	81.7	82.4	82.4	82.8	82.9	83.3	83.7
≥ 400	67.5	74.0	75.6	76.0	77.8	78.5	80.2	83.0	84.4	86.7	88.1	88.4	89.1	89.4	89.9	90.2
≥ 300	67.7	74.8	76.6	77.0	78.8	79.5	81.5	84.4	86.2	89.5	91.3	91.8	92.9	93.2	94.0	94.4
≥ 200	67.7	74.9	76.7	77.1	79.1	79.8	82.0	85.4	87.5	91.3	93.4	94.0	95.7	96.3	98.0	98.8
≥ 100	67.7	74.9	76.7	77.1	79.2	79.9	82.2	85.5	87.6	91.4	93.5	94.3	96.3	97.0	98.9	100.0
≥ 0	67.7	74.9	76.7	77.1	79.2	79.9	82.2	85.5	87.6	91.4	93.5	94.3	96.3	97.0	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥4	≥0
NO CEILING	31.7	32.2	32.5	32.5	32.6	32.7	33.1	33.5	33.7	34.1	34.5	34.6	35.1	35.2	35.8	36.1
≥ 20000	33.5	34.1	34.3	34.3	34.4	34.5	34.9	35.4	35.5	35.9	36.5	36.8	37.0	37.1	37.7	38.1
IV 18000	33.9	34.3	34.6	34.6	34.7	34.8	35.3	35.7	35.8	36.2	36.8	37.1	37.3	37.4	38.1	38.4
IV 16000	34.1	34.5	34.8	34.8	34.9	35.1	35.5	35.9	36.0	36.5	37.0	37.3	37.5	37.6	38.3	38.6
IV 14000	35.1	35.5	35.8	35.8	35.9	36.1	36.5	36.9	37.0	37.4	38.0	38.3	38.5	38.6	39.2	39.6
IV 12000	36.9	37.3	37.6	37.6	37.7	37.8	38.3	38.7	38.8	39.2	39.8	40.1	40.4	40.5	41.2	41.6
IV 10000	39.4	40.2	40.5	40.5	40.6	40.8	41.2	41.6	41.7	42.2	42.7	43.0	43.3	43.4	44.1	44.5
IV 9000	41.2	42.0	42.4	42.4	42.5	42.6	43.0	43.4	43.5	44.0	44.5	44.8	45.2	45.3	45.9	46.3
IV 8000	44.8	45.3	46.2	46.2	46.3	46.5	46.9	47.4	47.5	48.0	48.5	48.8	49.1	49.2	49.9	50.3
IV 7000	47.8	48.8	49.2	49.2	49.5	49.6	50.0	50.5	50.6	51.1	51.6	51.9	52.3	52.4	53.0	53.4
IV 6000	49.5	50.6	51.1	51.1	51.3	51.4	51.8	52.4	52.5	52.9	53.4	53.8	54.1	54.2	54.8	55.3
IV 5000	51.3	52.6	53.3	53.3	53.5	53.7	54.2	54.7	54.8	55.3	55.9	56.2	56.6	56.7	57.3	57.7
IV 4500	52.2	53.4	54.2	54.2	54.4	54.5	55.1	55.6	55.7	56.1	56.8	57.1	57.4	57.5	58.2	58.6
IV 4000	53.5	54.9	55.7	55.7	55.9	56.0	56.6	57.1	57.2	57.6	58.3	58.6	58.9	59.0	59.7	60.1
IV 3500	55.1	56.6	57.4	57.4	57.6	57.7	58.4	58.9	59.0	59.5	60.1	60.4	60.8	60.9	61.5	61.9
IV 3000	56.2	58.0	58.9	58.9	59.4	59.5	60.1	60.6	60.9	61.3	61.9	62.3	62.7	62.8	63.4	63.9
IV 2500	57.8	59.7	60.6	60.6	61.3	61.4	62.4	62.9	63.1	63.5	64.2	64.5	64.9	65.1	65.7	66.1
IV 2000	59.0	60.9	61.9	62.2	62.7	62.8	63.9	64.4	64.6	65.2	65.8	66.1	66.6	66.7	67.3	67.7
IV 1800	59.4	61.5	62.6	62.8	63.3	63.4	64.5	65.1	65.3	65.8	66.5	66.8	67.2	67.3	68.0	68.4
IV 1500	59.8	62.0	63.2	63.4	64.1	64.2	65.3	65.9	66.1	66.7	67.3	67.6	68.2	68.3	68.9	69.4
IV 1200	61.5	63.2	64.4	64.6	65.3	65.4	66.5	67.1	67.3	67.8	68.5	68.8	69.4	69.5	70.1	70.5
IV 1000	61.3	64.7	65.9	66.2	66.9	67.0	68.4	69.0	69.4	69.9	70.5	70.9	71.4	71.5	72.2	72.6
IV 900	61.7	65.7	67.1	67.3	68.0	68.1	69.5	70.1	70.5	71.1	71.7	72.2	72.7	72.8	73.4	73.9
IV 800	61.9	66.1	67.6	68.1	68.8	68.9	70.3	71.1	71.8	72.5	73.1	73.5	74.1	74.2	74.8	75.3
IV 700	62.8	67.6	69.1	69.7	70.8	70.9	72.3	73.1	73.9	74.7	75.4	75.8	76.5	76.6	77.2	77.6
IV 600	63.0	68.5	70.1	70.9	72.3	72.4	73.8	74.7	75.7	76.8	77.5	78.0	78.6	78.7	79.4	79.8
IV 500	63.2	70.1	71.8	72.6	74.4	74.5	76.0	77.5	78.7	80.2	81.0	81.4	82.0	82.3	83.1	83.7
IV 400	63.2	70.4	72.4	73.1	75.1	75.2	77.0	79.4	81.2	83.1	84.3	84.9	85.9	86.2	87.5	88.1
IV 300	63.5	71.8	73.8	74.5	76.9	77.2	79.6	82.7	85.4	87.3	89.6	90.2	91.4	91.8	93.2	93.8
IV 200	63.5	72.3	74.2	75.1	77.4	77.7	80.4	83.8	86.6	88.6	91.5	92.2	94.3	94.9	97.3	98.6
IV 100	63.5	72.4	74.3	75.2	77.6	78.1	80.8	84.2	87.0	89.1	92.0	92.7	94.8	95.5	98.3	99.9
IV 0	63.5	72.4	74.3	75.2	77.6	78.1	80.8	84.2	87.0	89.1	92.0	92.7	94.8	95.5	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	26.7	27.6	27.9	28.0	28.3	28.3	28.5	28.8	28.9	29.2	29.5	29.6	29.8	29.9	30.6	30.8
≥ 20000	29.2	30.2	30.4	30.6	30.9	31.0	31.2	31.5	31.6	31.9	32.2	32.3	32.6	32.7	33.3	33.6
≥ 18000	29.8	30.8	31.1	31.2	31.5	31.7	31.9	32.2	32.3	32.6	32.7	33.0	33.3	33.4	34.0	34.3
≥ 16000	29.9	31.0	31.2	31.4	31.7	31.8	32.1	32.4	32.5	32.8	33.1	33.1	33.4	33.6	34.2	34.5
≥ 14000	31.2	32.2	32.5	32.6	33.0	33.1	33.4	33.7	33.8	34.1	34.4	34.5	34.8	34.9	35.5	35.8
≥ 12000	33.0	34.1	34.4	34.6	35.0	35.1	35.3	35.6	35.8	36.1	36.4	36.5	36.8	36.9	37.6	37.9
≥ 10000	35.6	36.8	37.2	37.3	37.7	37.9	38.2	38.5	38.6	38.9	39.2	39.3	39.6	39.7	40.4	40.8
≥ 9000	36.7	38.0	38.3	38.5	38.9	39.1	39.4	39.7	39.9	40.2	40.5	40.6	40.9	41.0	41.7	42.1
≥ 8000	39.7	41.0	41.4	41.5	42.0	42.2	42.5	42.9	43.0	43.4	43.7	43.8	44.1	44.3	45.0	45.4
≥ 7000	42.8	44.2	44.6	44.7	45.4	45.6	45.9	46.3	46.5	46.8	47.1	47.2	47.6	47.7	48.5	48.8
≥ 6000	44.8	46.1	46.5	46.7	47.4	47.6	48.0	48.4	48.6	49.0	49.3	49.4	49.7	49.9	50.6	51.0
≥ 5000	47.0	48.6	49.1	49.3	50.1	50.3	50.7	51.1	51.3	51.7	52.0	52.1	52.5	52.6	53.4	53.8
≥ 4500	48.1	50.0	50.6	50.8	51.7	51.9	52.3	52.8	53.0	53.3	53.7	53.8	54.1	54.3	55.0	55.4
≥ 4000	49.7	51.7	52.4	52.6	53.6	53.8	54.3	54.8	55.0	55.4	55.7	55.8	56.2	56.3	57.1	57.5
≥ 3500	50.7	53.1	53.8	54.1	55.1	55.3	55.8	56.3	56.5	56.9	57.3	57.4	57.7	57.9	58.6	59.0
≥ 3000	52.4	54.9	55.8	56.3	57.4	57.7	58.3	58.8	59.1	59.5	59.9	59.9	60.3	60.5	61.2	61.6
≥ 2500	53.9	56.9	57.7	58.3	59.6	59.8	60.5	61.1	61.3	61.8	62.2	62.2	62.6	62.8	63.5	63.9
≥ 2000	54.8	57.9	59.0	59.6	61.0	61.3	62.0	62.6	62.9	63.4	63.8	63.8	64.2	64.4	65.2	65.6
≥ 1800	55.1	58.4	59.5	60.1	61.4	61.7	62.5	63.1	63.4	63.9	64.3	64.4	64.7	64.9	65.7	66.1
≥ 1500	55.7	59.2	60.4	61.0	62.5	62.8	63.6	64.2	64.5	65.1	65.4	65.5	65.9	66.1	66.9	67.3
≥ 1200	56.5	60.3	61.6	62.3	63.8	64.1	65.0	65.7	66.0	66.5	66.9	67.3	67.4	67.6	68.3	68.8
≥ 1000	57.6	61.9	63.3	64.1	65.8	66.2	67.2	67.9	68.3	68.8	69.2	69.3	69.7	69.9	70.7	71.1
≥ 900	58.1	62.8	64.2	65.1	66.9	67.3	68.4	69.3	69.6	70.2	70.6	70.7	71.1	71.3	72.1	72.5
≥ 800	58.5	63.6	65.1	66.1	68.1	68.5	69.8	70.7	71.2	71.9	72.3	72.4	72.8	73.1	73.8	74.2
≥ 700	59.1	64.5	66.1	67.2	69.3	69.8	71.1	72.1	72.6	73.4	73.9	74.0	74.4	74.6	75.4	75.8
≥ 600	59.5	65.2	67.0	68.2	70.7	71.2	72.6	73.7	74.4	75.6	76.0	76.1	76.6	76.8	77.6	78.1
≥ 500	60.1	66.7	68.6	70.0	72.7	73.4	75.1	76.6	77.5	79.0	79.7	79.8	80.3	80.6	81.5	82.0
≥ 400	60.4	67.7	69.9	71.4	74.6	75.3	77.2	79.1	80.3	82.2	83.3	83.5	84.3	84.7	85.8	86.4
≥ 300	60.5	68.4	70.7	72.4	76.0	76.9	79.3	81.5	83.1	85.8	87.6	87.9	89.3	89.9	91.6	92.6
≥ 200	60.6	68.7	71.1	72.8	76.7	77.6	80.2	82.6	84.3	87.4	89.9	90.2	92.5	93.5	96.3	98.1
≥ 100	60.6	68.7	71.1	72.9	76.7	77.7	80.3	82.7	84.5	87.6	90.1	90.5	93.0	94.0	97.3	99.9
≥ 0	60.6	68.7	71.1	72.9	76.7	77.7	80.3	82.7	84.5	87.6	90.1	90.5	93.0	94.0	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS

7440

TOTAL SKY COVER

FOR THE PERIOD OF RECORD 1971 AND LATER THE AIRWAYS
SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED
WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

SKY COVER

JAN

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	12.4			14.6						11.3	61.7	7.6	912
	03-05	12.7			11.1						12.3	63.9	7.8	920
	06-08	9.0			11.5						14.9	64.6	8.2	925
	09-11	6.6			12.3						15.3	65.8	8.3	926
	12-14	6.1			11.9						15.4	66.6	8.4	928
	15-17	5.3			14.1						18.4	62.2	8.3	926
	18-20	11.5			14.1						15.4	59.1	7.7	924
	21-23	11.9			14.1						12.4	61.6	7.7	909
TOTALS		9.4			13.0						14.4	63.2	8.0	7370

SKY COVER

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	14.5			20.1						13.7	51.8	7.0	842
	03-05	12.5			17.2						12.7	57.6	7.4	832
	06-08	8.1			13.4						15.0	63.5	8.1	838
	09-11	6.4			11.3						20.6	61.7	8.4	840
	12-14	5.4			13.3						23.1	58.2	8.3	845
	15-17	5.3			16.9						25.2	52.6	8.0	846
	18-20	10.2			22.0						21.7	46.1	7.2	846
	21-23	16.4			21.0						16.1	46.5	6.7	837
TOTALS		9.9			16.9						18.5	54.8	7.6	6726

SKY COVER

MAR

STATION

STATION NAME

PERIOD

MONTANA

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	26.2			21.3						18.4	34.2	5.7	925
	03-05	20.3			22.7						17.0	40.0	6.2	927
	06-08	4.6			26.3						24.2	44.9	7.5	927
	09-11	4.5			21.6						27.1	46.8	7.8	927
	12-14	2.2			23.0						30.7	44.1	7.9	929
	15-17	1.4			21.5						32.6	44.5	8.0	930
	18-20	7.4			26.3						29.1	37.1	7.1	930
	21-23	19.1			25.1						20.2	35.6	6.1	930
TOTALS		10.7			23.1						24.9	40.9	7.0	7425

2
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

24114 FAIRCHILD AFB WA

70-79

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	24.7			26.1						14.7	34.5	5.6	899
	03-05	18.9			28.3						16.9	35.9	6.0	889
	06-08	10.6			23.1						25.3	41.0	7.1	888
	09-11	7.0			23.6						28.3	41.1	7.4	900
	12-14	3.1			18.7						32.8	45.4	8.1	900
	15-17	4.0			18.2						35.4	42.3	8.0	900
	18-20	8.7			24.8						27.1	39.4	7.1	900
	21-23	20.6			28.3						18.2	32.9	5.8	900
TOTALS		12.2			23.9						24.8	39.1	6.9	7176

USAFETAC

FORM
JUL 44 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

24114 FAIRCHILD AFB WA

70-79

MSY

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	27.7			30.6						16.4	25.4	4.9	929
	03-05	13.6			36.2						19.8	30.4	5.9	928
	06-08	10.4			32.8						24.5	32.2	6.4	929
	09-11	7.7			29.4						31.8	31.1	6.9	927
	12-14	3.5			23.9						38.7	33.9	7.6	930
	15-17	3.7			26.3						35.2	34.8	7.4	928
	18-20	5.7			34.8						26.2	33.2	6.7	927
	21-23	18.3			36.5						19.1	26.1	5.4	926
TOTALS		11.3			31.3						26.5	30.9	6.4	7424

2

SKY COVER

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	29.8			31.7						18.9	19.7	4.6	900
	03-05	13.7			39.0						23.7	23.6	5.7	898
	06-08	14.3			30.0						26.1	29.6	6.2	896
	09-11	10.0			31.0						30.9	28.1	6.5	900
	12-14	7.2			30.4						31.7	30.7	6.8	900
	15-17	7.0			31.3						32.7	29.0	6.8	900
	18-20	10.6			32.4						31.1	25.9	6.4	899
	21-23	20.2			34.4						22.1	23.2	5.3	899
TOTALS		14.1			32.5						27.2	26.2	6.0	7192

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

24114 FAIRCHILD AFB WA

69-78

JUL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	46.4			27.4						9.7	16.5	3.3	925
	03-05	34.5			30.7						19.6	15.2	4.2	928
	06-08	33.8			29.9						22.9	13.5	4.3	927
	09-11	31.0			34.2						19.6	15.2	4.3	929
	12-14	20.9			39.7						24.4	15.1	4.9	930
	15-17	21.0			41.2						23.2	14.6	4.8	930
	18-20	25.5			37.8						21.7	15.0	4.6	929
	21-23	36.6			31.7						16.6	15.2	4.0	930
TOTALS		31.2			34.1						19.7	15.0	4.3	7432

SKY COVER

AUG

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	53.4			23.4						10.5	12.6	2.9	730
	03-05	41.3			31.9						13.9	12.9	3.5	959
	06-08	32.8			36.1						19.4	11.7	4.0	930
	09-11	31.7			35.9						19.6	12.8	4.1	930
	12-14	27.5			35.9						25.7	10.9	4.5	930
	15-17	24.1			41.3						23.9	10.7	4.5	928
	18-20	30.6			39.8						19.4	10.2	4.0	930
	21-23	43.8			32.9						12.5	10.9	3.2	930
TOTALS		35.			34.7						18.1	11.6	3.8	7438

SKY COVER

62-78

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF 5% COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02	46.4			23.4						13.7	16.4	3.6	900
	03-05	40.6			22.7						16.2	20.5	4.2	899
	06-08	21.9			33.7						20.6	23.8	5.2	899
	09-11	23.3			32.3						21.6	22.8	5.2	900
	12-14	20.4			29.4						27.2	22.9	5.6	900
	15-17	21.4			29.8						29.4	19.3	5.5	900
	18-20	29.3			28.0						26.0	16.7	4.8	900
	21-23	40.3			27.9						16.9	14.9	3.8	900
TOTALS		30.5			28.4						21.5	19.7	4.7	7198

SKY COVER

OCT

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	40.9			20.4						14.2	24.5	4.3	913
	03-05	34.7			23.6						15.3	26.4	4.7	920
	06-08	15.7			27.6						23.7	33.0	6.3	928
	09-11	16.3			25.7						23.2	34.7	6.3	930
	12-14	14.3			27.3						25.7	32.6	6.4	929
	15-17	15.6			25.1						26.2	33.2	6.4	929
	18-20	23.2			25.6						22.2	29.0	5.7	930
	21-23	34.3			21.4						17.6	26.7	4.9	921
TOTALS		24.4			24.6						21.0	30.0	5.6	7400

SKY COVER

NOV

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	16.8			16.2						13.4	53.6	7.1	871
	03-05	15.2			13.9						13.1	57.9	7.4	971
	06-08	5.1			16.1						18.7	60.1	8.2	887
	09-11	5.0			14.8						19.9	60.3	8.3	894
	12-14	4.1			13.1						22.0	60.7	8.4	899
	15-17	4.0			16.3						22.6	57.1	8.2	898
	18-20	10.1			20.3						14.6	55.0	7.4	892
	21-23	15.7			19.1						12.4	52.9	7.0	887
TOTALS		9.5			16.2						17.1	57.2	7.8	7099

SKY COVER

DEC

MONTH

MONTH	HOUR: (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	19.0			14.1						13.3	62.6	7.9	902
	03-05	11.4			11.5						11.8	65.4	7.9	916
	06-08	6.9			13.3						14.0	65.8	8.2	919
	09-11	4.0			15.4						16.1	64.5	8.4	923
	12-14	4.1			15.5						19.1	61.3	8.3	925
	15-17	3.6			19.1						17.9	59.5	8.1	929
	18-20	11.7			17.1						13.7	57.5	7.5	922
	21-23	13.3			15.3						14.2	57.2	7.5	913
TOTALS		8.1			15.2						15.0	61.7	8.0	7349

2

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

24114 FAIRCHILD AFB WA

69-79

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	9.4			13.0						14.4	63.2	8.0	7370
FEB		9.9			16.9						18.5	54.8	7.6	6726
MAR		10.7			23.5						24.9	40.9	7.0	7425
APR		12.2			23.9						24.8	39.1	6.9	7176
MAY		11.3			31.3						26.5	30.9	6.4	7424
JUN		14.1			32.5						27.2	26.2	6.0	7192
JUL		31.2			34.1						19.7	15.0	4.3	7432
AUG		35.7			34.7						18.1	11.6	3.8	7438
SEP		30.5			28.4						21.5	19.7	4.7	7198
OCT		24.4			24.6						21.0	30.0	5.6	7400
NOV		9.5			16.2						17.1	57.2	7.8	7099
DEC		8.1			15.2						15.0	61.7	8.0	7349
TOTALS		17.3			24.5						20.7	37.5	6.3	87229

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
 - b. Extreme minimum temperature
- NOTE:** Direct conversion of temperatures from Celsius to Fahrenheit values results in the exclusion of certain values. The conversion method used at OL A to present these data may result in differences not exceeding $\pm 1^{\circ}$ from directly converted values but excludes no Fahrenheit values.

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

STATE SE-VIC/MAO

4 FAIRCHILD AFB WA

STATION

STATION NAME

72-72

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB	MAR	APR.	MAY	JUN.	JUL	AUG	SEP	OCT	NOV.	DEC	ANNUAL
32						.4	5.5	4.6					.9
34					.3	2.9	22.2	15.4	1.9				3.3
36				.1	1.5	13.6	41.8	34.3	6.8				8.1
38				.7	6.1	21.1	61.7	54.7	21.3	.6			14.1
40				1.4	14.4	47.8	78.2	77.4	35.3	3.4			23.7
42			.1	4.4	30.0	59.6	93.5	84.9	55.1	9.1			28.0
44			1.3	11.2	47.8	79.7	98.1	94.2	71.0	18.4	.3		35.4
46		.2	4.3	24.7	65.6	92.2	99.4	99.0	86.0	35.7	.7		42.5
48	.2	1.3	11.1	44.4	83.5	98.1	100.0	99.9	95.1	58.1	3.4		49.3
50	.8	5.9	24.7	72.3	95.8	99.6		99.4	81.3	15.3	.8		58.2
52	5.3	17.2	51.2	93.7	99.6	100.0		100.0	100.0	93.1	35.0	7.7	67.1
54	16.1	47.7	75.5	99.4	100.0					98.0	50.9	24.4	75.4
56	37.4	72.6	93.8	100.0						99.7	79.9	48.9	85.5
58	63.1	88.4	96.5							100.0	93.0	74.4	92.7
60	75.9	94.9	99.2								97.1	88.7	96.3
62	84.9	98.1	99.8								99.0	94.3	98.0
64	91.5	99.1	99.9								99.4	97.4	98.9
66	96.3	99.5	100.0								99.8	98.7	99.5
68	98.4	99.8									100.0	99.2	99.8
70	99.6	100.0										99.5	99.9
72	100.0											99.8	100.0
74												100.0	100.0
76													
78													
80													
82													
84													
86													
88													
90													
92													
94													
96													
98													
100													
MEAN	7.4	37.9	44.7	54.6	64.2	72.2	81.9	79.9	70.8	58.9	41.1	33.6	55.7
S D	.981	7.746	8.134	7.871	9.283	9.641	8.695	9.263	9.715	8.787	8.131	8.301	19.503
TOTAL OBS.	93	947	930	980	930	980	930	930	980	930	980	930	13957

2

STATION 4
 STATION NAME FAIRCHILD AFB WA
 YEAR 49-79

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR.	APR.	MAY	JUN	JUL	AUG	SEP.	OCT	NOV	DEC	ANNUAL
75							.1						.1
74						.2	1.1	.1					.1
73					1.2	8.4	34.4	27.3	.4				1.7
72				.1	4.4	25.7	64.1	56.9	14.9				6.3
71				1.2	18.6	54.4	87.7	86.3	43.4	2.6			14.2
70		.1	.1	.4	4.9	43.0	82.4	98.3	97.7	73.6	16.2	.8	24.7
69	1.4	1.8	4.2	22.6	71.4	97.1	99.8	99.8	90.7	40.6	7.6	1.4	35.2
68	7.0	9.8	19.9	57.2	91.8	100.0	100.0	100.0	98.4	73.7	25.7	10.1	45.1
67	13.7	17.8	32.2	70.7	97.5				99.1	82.6	39.3	17.8	58.0
66	25.3	4.5	57.4	88.3	99.5				99.8	92.8	58.8	32.5	64.4
65	46.0	69.5	84.5	99.2	100.0				100.0	99.0	80.6	59.0	74.7
64	64.6	85.4	93.8	100.0						99.8	91.6	77.1	85.5
63	74.7	92.7	97.1							100.0	97.4	88.1	92.7
62	82.5	96.3	99.0								98.7	94.8	95.8
61	89.9	98.3	99.6								99.3	96.7	97.5
60	94.2	98.8	99.9								99.7	98.1	98.6
-5	97.4	98.9	100.0								99.8	99.0	99.2
-1	98.5	99.8									100.0	99.5	99.6
-15	99.5	99.9										99.6	99.8
-20	99.9	100.0											99.9
-25	100.0											100.0	100.0
MEAN	-1.5	26.5	29.8	35.7	43.4	50.5	56.7	55.8	48.2	38.2	30.0	24.5	35.4
S D	1.651	7.979	6.372	5.320	6.378	6.157	6.093	5.834	6.320	5.991	7.325	9.091	13.920
TOTAL OBS.	93	847	930	930	930	900	930	930	980	930	900	930	10957

PROCESSING BRANCH
 STATION
 WEATHER SERVICE/MAC
 4 FAIRCHILD AFB WA

49-79

DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75						.3	6.5	4.9					1.0
74					.3	3.9	26.7	21.2	1.9				4.5
73				.2	2.3	14.8	52.3	43.9	9.2				13.3
72				.7	8.4	32.8	73.4	67.4	28.8	.5			17.8
71				2.1	24.0	57.6	91.4	87.5	50.6	5.5			25.7
70				7.7	45.5	83.3	99.7	97.4	73.2	16.1	.2		35.4
69		.1	.2	3.5	22.6	69.6	97.5	99.9	91.1	38.5	1.0		43.3
68		.5	3.2	13.2	50.6	91.5	99.9	100.0	98.6	67.6	1.3	.9	53.3
67		5.6	13.7	37.2	83.6	99.5	100.0	100.0	99.8	93.8	30.9	8.3	64.3
66	2.9	41.6	71.1	98.3	100.0			100.0	97.6	61.1	27.2		76.6
65	41.6	72.3	88.4	100.0					99.7	81.9	56.8		86.8
64	54.2	88.2	95.5						100.0	93.7	78.9		93.3
63	76.7	94.5	98.7							97.3	89.6		95.3
62	84.5	97.6	99.6							98.8	94.6		97.9
61	97.6	98.5	99.9							99.4	97.5		98.8
60	95.5	99.1	100.0							99.7	98.7		99.4
59	98.1	99.5								100.0	99.2		99.7
58	98.9	99.9									99.4		99.8
57	99.7	100.0									99.8		100.0
56	100.0										100.0		100.0
55													
54													
53													
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-11													
-12													
-13													
-14													
-15													
MEAN	75.5	32.4	37.5	45.4	54.0	61.5	69.5	62.1	59.7	47.8	35.8	29.4	47.3
S.D.	6.551	7.518	6.825	6.033	7.319	7.119	6.953	7.120	7.456	6.803	7.335	6.435	16.462
TOTAL OBS.	93	847	93	970	93	90	93	93	910	93	9	930	10957

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

24114 FAIRCHILD AFB WA
STATION STATION NAME

49-79
YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT.	NOV.	DEC	ALL MONTHS
YEAR													
49						90	98	91	91	64	57	46	
50	41	46	49	67	79	89	95	91	94	67	59	47	95
51	43	51	56	71	83	85	96	93	84	73	50	47	96
52	39	45	62	81	81	86	96	94	90	79	56	39	96
53	53	51	65	68	83	80	95	98	90	75	59	46	98
54	48	53	58	70	85	81	91	89	85	65	55	46	91
55	39	45	49	64	74	96	95	90	92	67	54	46	96
56	46	41	57	77	86	81	95	95	83	73	48	49	95
57	35	52	54	81	85	87	90	88	86	65	52	53	90
58	46	60	59	68	91	93	92	95	91	79	56	50	95
59	49	46	54	68	79	87	100	93	87	66	58	51	100
60	45	45	70	70	80	85	100	94	84	76	52	46	100
61	48	50	58	66	84	93	93	104	77	76	47	44	104
62	48	55	59	75	71	90	96	91	84	76	52	47	96
63	45	54	61	71	82	88	86	92	89	80	54	39	92
64	41	41	68	60	81	83	98	88	84	75	53	47	98
65	41	48	60	69	78	86	94	95	78	77	68	48	95
66	49	49	68	70	90	84	91	98	92	76	57	50	98
67	51	54	53	59	79	89	103	101	91	72	52	44	103
68	48	62	63	78	80	91	102	93	85	68	48	53	102
69	37	40	64	76	84	92	91	99	89	70	58	48	99
70	44	51	55	61	84	96	99	99	83	81	60	46	99
71	59	53	54	69	81	89	97	101	83	80	51	42	101
72	45	56	67	71	85	87	92	101	83	72	54	48	101
73	47	52	56	67	87	97	94	92	90	68	56	47	97
74	46	43	58	67	74	89	95	93	83	72	50	47	95
75	39	42	48	61	76	78	101	88	85	82	67	51	101
76	45	46	57	68	78	91	94	87	90	81	56	50	94
77	45	56	59	88	78	89	96	100	80	65	53	49	100
78	42	44	54	68	74	89	96	95	84	73	55	39	96
MEAN													
S.D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (CJA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

24114	FAIRCHILD AFB WA
STATION	STATION NAME

49-79

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

U.S. CLIMATOLOGY BRANCH
ETAC
CENTRAL SERVICE/VAC

EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

STATION FAIRCHILD AFB WA
STATION NAME

49-79
YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
49						41	45	45	36	23	26	4	
50	-21	-18	7	26	33	41	46	35	32	29	23	9	-21
51	-2	5	12	22	35	41	46	45	36	26	23	-6	-2
52	-9	11	19	29	33	39	48	46	42	33	13	13	-9
53	24	22	25	27	33	40	47	45	39	32	24	22	24
54	-5	7	16	27	28	36	45	42	37	27	24	10	-5
55	13	10	-3	25	37	41	47	46	33	26	-6		-6
56	-8	-5	9	27	32	38	49	44	38	30	15	7	-8
57	-16	1	18	32	43	40	46	45	37	24	18	15	-16
58	17	27	23	31	35	43	47	46	34	29	12	21	12
59	-4	15	22	29	28	38	44	42	37	26	3	17	-4
60	-1	7	3	26	31	37	46	42	39	26	22	10	-1
61	11	22	27	26	33	39	46	51	33	24	13	-3	-3
62	-3	6	15	29	29	36	38	41	38	33	23	14	-3
63	-4	11	23	27	32	43	45	46	41	26	18	3	-4
64	9	10	13	23	32	39	48	43	37	27	15	-17	-17
65	16	15	11	29	27	43	46	39	26	26	22	13	11
66	4	20	16	24	29	41	49	41	44	29	19	14	4
67	21	22	20	29	33	47	45	53	36	30	16	6	6
68	4	21	25	22	31	38	45	45	37	30	19	-18	-18
69	-1	8	12	32	35	45	47	43	39	24	19	15	-10
70	8	27	15	28	37	42	48	51	32	26	8	2	2
71	15	15	6	28	34	40	38	43	35	18	22	2	2
72	-6	-7	23	22	31	42	44	48	29	23	24	-1	-7
73	4	17	28	26	35	37	42	44	39	33	18	12	4
74	-5	25	22	29	31	43	45	49	38	26	22	8	-5
75	1	11	20	25	33	42	52	50	40	27	11	15	1
76	16	13	12	28	34	37	47	42	37	27	16	15	12
77	-1	19	23	24	33	38	45	46	36	28	7	5	-1
78	1	21	18	29	32	42	49	44	34	25	12	-17	-17
MEAN													
S.D.													
TOTAL OBS.													

NOTES: * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OU)

(AT LEAST ONE DAY LESS THAN 24 OBS)

2

(FROM DAILY OBSERVATIONS)

49-79

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR.	MAY	JUN	JUL.	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
79	-10	-9	23	24	35								
MEAN	1.6	11.6	16.6	26.8	32.6	40.1	45.5	44.7	36.5	27.2	16.4	6.4	-3.2
S. D.	11.004	11.134	7.252	2.750	3.104	2.569	3.048	3.687	3.839	3.253	6.961	10.724	10.050
TOTAL OBS.	930	847	930	900	930	900	930	930	900	930	900	930	10957

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-86-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
47 / 47		.5																5	5					
46 / 45		.2	.2															4	4	6	6			
44 / 43		.3	.6	.1														17	17	1	1			
42 / 41		1.1	.3	.1														14	14	8	2			
4 / 39	.3	2.9	.6															36	36	25	14			
38 / 37	1.	2.2	1.1															38	38	34	19			
35 / 35	1.	3.7	1.1	.3														49	49	45	23			
34 / 33	2.4	4.7	1.1															76	76	62	63			
32 / 31	2.5	5.7	.1															77	77	82	56			
3 / 29	2.2	3.8	.8															62	62	82	73			
28 / 27	2.4	5.2	.6	.1														77	77	62	83			
26 / 25	1.3	7.3	.8															87	87	65	52			
24 / 23	.6	5.9	.4															65	65	88	43			
22 / 21	.8	2.5	.4															34	34	52	65			
2 / 19	2.	4.6	.4															66	66	49	70			
18 / 17	.4	2.9	.3															34	34	54	43			
16 / 15	.2	2.4	.2															26	26	32	41			
14 / 13	.5	2.5	.5															33	33	26	31			
12 / 11	.5	2.5	.3															31	31	30	43			
1 / 9	.3	2.3	1.1															36	36	31	33			
8 / 7	.2	.8																11	11	25	27			
6 / 5	.4	1.7																20	20	21	18			
4 / 3	.4	1.3																16	16	21	15			
2 / 1		1.2																11	11	10	14			
/ -1	.1	.3																4	4	8	19			
-2 / -3		.3																3	3	5	20			
-4 / -5	.1																	1	1	2	10			
-6 / -7	.1	.3																4	4	1	9			
-8 / -9																				3	16			
-10 / -11																					12			
-12 / -13																					4			
-14 / -15																					3			
-16 / -19																					3			
Element (X)	$\Sigma X^2</$																							

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

0000-0200
HOURS (L. S. T.)

[illegible]

0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FEDERAL REGISTER

0.26.5 (OL A)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR LEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

70-79
YEARS

YEARS

JAN
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
52/ 5			.1															1	1		
51/ 49			.2															2	2		
48/ 47		.1																1	1	3	
46/ 45		.6	.1															7	7	2	5
44/ 43		.4	.5	.1														12	10	6	3
42/ 41		1.2	.3	.4														18	18	6	4
41/ 39	.1	1.2	.2	.1														15	15	17	6
38/ 37	.9	2.2	1.1															38	38	28	13
35/ 35	1.4	4.1	.9	.3														62	62	50	22
34/ 33	1.9	4.8	.8															72	70	67	62
32/ 31	3.4	4.5																74	74	79	66
31/ 29	1.4	4.5	.5	.1														61	61	82	70
28/ 27	2.7	5.2	.6	.1														80	80	54	81
26/ 25	1.6	6.5	.5															81	81	70	55
24/ 23	.3	4.2	.3															45	45	72	46
22/ 21	.9	4.7	.4															56	56	59	52
21/ 19	1.5	4.4	.3															58	58	51	65
19/ 17	.5	3.2	.1															36	36	54	47
16/ 15	.4	2.4	.2															28	28	35	40
14/ 13	.6	2.8	.2															34	34	24	38
12/ 11	1.1	1.9	.2															29	29	36	46
11/ 9	.4	2.6	.5															33	33	22	33
8/ 7	1.1	1.9	.3															30	30	31	26
8/ 5	.1	1.7																17	17	34	18
4/ 3	.5	.6																11	11	13	13
2/ 1		1.6																15	15	12	15
1/ -1	.6																	6	6	13	20
-2/ -3	.1	.5																6	6	5	20
-4/ -5																				1	10
-6/ -7	.3	.2																5	5	3	13
-8/ -9	.1																	1	1	3	17
-10/-11																					11
-12/-13																					9
-14/-15																					1
Element (X)	ΣX ²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 324 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

9320-0509

HOURS (L, S, T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OLA)

FORM

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24114 FAIRCHILD AFB WA
STATION STATION NAME

70-79
YEARS

JAN
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
52/ 51			.1															1	1		
51/ 49		.1	.1															2	2	1	
48/ 47		.1	.1															2	2	2	
46/ 45	.1	.3	.1															7	7	3	5
44/ 43		.1	.4															5	5	5	6
42/ 41	.1	.6	.3	.3														13	13	5	4
41/ 39	.1	2.1	.3	.1														24	24	13	1
38/ 37	.6	1.3	1.7	.1														28	28	31	13
38/ 35	.6	4.8	1.4															64	64	29	23
34/ 33	1.7	3.9	.9	.1														61	61	82	40
32/ 31	3.2	6.2	.3	.4														95	95	79	69
31/ 29	1.6	3.9	.4															55	55	85	61
28/ 27	3.3	4.6	.8															79	79	74	64
26/ 25	1.2	5.2	.2															61	61	54	60
24/ 23	1.1	4.7	.3															57	57	61	46
22/ 21	1.4	5.1	.3															63	63	70	44
21/ 19	1.5	3.2																42	42	45	57
18/ 17	.9	4.1	.1															46	46	49	65
16/ 15	.9	2.5	.4															35	35	38	26
14/ 13	.1	2.8																29	29	32	42
12/ 11	.4	1.7	.3															23	23	29	42
11/ 9	.9	2.6	.3															35	35	22	37
8/ 7	.6	2.6	.3															33	33	28	25
6/ 5	.2	1.6																17	17	35	23
4/ 3	.9	1.1																13	13	13	15
2/ 1	.1	1.4																15	15	12	19
1/ -1	.6	.2																8	8	18	15
-2/ -3		.5																5	5	6	14
-4/ -5	.4	.3																7	7	7	13
-6/ -7	.2	.2																4	4	3	12
-8/ -9	.1																	1	1	3	15
-10/-11																					15
-12/-13																					10
-14/-15																					2
Element (X)	ΣX ²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

0-26-5 (OL A)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24114 FAIPCHILD AFB LA
STATION STATION NAME

70-79
YEARS

JAN
MONTH

PAGE 1 7900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
47/53		.1																1	1	1					
42/51			.2															2	2		1				
57/49		.3																2	2	2					
46/47		.2																2	2	4					
45/45	.2	.3		.1														6	6	3	9				
44/43		.4	.8	.1	.1													13	13	3	2				
42/41		.5	.8	.1														15	15	4	3				
41/39	.3	1.9	.6															27	27	25	7				
39/37	.6	2.1	1.5	.1														40	40	31	16				
38/35	.3	5.2	1.5	.1														66	66	40	33				
34/33	2.2	4.1	1.7	.2	.2													78	78	83	38				
42/31	1.6	5.8	.6	.2														79	79	73	75				
37/29	3.2	4.2	.5	.2														76	76	98	77				
26/27	2.6	3.5	1.2	.1														69	69	68	87				
20/25	1.2	6.3	.6															76	76	62	61				
24/23	.5	3.5	.4															42	42	62	37				
22/21	1.6	4.7	.5															64	64	70	79				
27/19	.8	2.9	.1															35	35	42	50				
18/17	.6	2.9	.2	.1														36	36	38	52				
16/15	.6	3.4	.5															43	43	36	35				
14/13	.4	2.3	.3															28	28	40	40				
12/11	.6	1.4	.3															26	26	30	46				
17/9	.6	2.4	.4															32	32	23	36				
8/7	.3	1.5																17	17	26	27				
5/5	.1	1.2																12	12	16	21				
4/3	.9	1.1																17	17	17	9				
2/1	.3	1.2																14	14	12	18				
0/-1	.4	.3																7	7	13	13				
-2/-3	.1	.1																2	2	4	12				
-4/-5		.1																1	1	1	8				
-6/-7		.2																2	2	1	20				
-8/-9																				2	14				
-11/-11																					10				
-12/-13																					3				
Element (X)	ΣX²		ΣX		X̄	σ _x		No. Obs.		Mean No. of Hours with Temperature							Total								
Rel. Hum.										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2-114 FAIRCHILD AFB WA

70-79

JAN

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL										
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
59 / 59				.1														1	1													
58 / 57			.1	.1														2	2													
56 / 55			.1	.1														2	2													
54 / 53			.1															1	1		2											
52 / 51																					2											
50 / 49																					2	3										
48 / 47				.1														1	1													
46 / 45		1.1	1.1	.2	.3													25	25		3											
44 / 43	.2	.2	1.1															14	14	13	3											
42 / 41		1.3	.5	.2														19	19	15	8											
40 / 39	.6	3.2	1.6	.6														57	57	37	17											
38 / 37	.2	2.4	1.9	.4														46	46	33	32											
36 / 35	1.1	3.9	2.4	.3	.2													72	72	57	36											
34 / 33	2.2	4.2	2.6	.4	.3													90	90	67	44											
32 / 31	1.9	3.8	2.2	.1														74	74	81	76											
30 / 29	1.5	5.9	1.3	.4														65	65	87	69											
28 / 27	.6	5.2	1.5	.4														72	72	80	66											
26 / 25	1.1	3.9	1.4															59	59	65	79											
24 / 23	.3	4.1	.5	.4														49	49	58	62											
22 / 21	.1	3.4	.2	.2														37	37	55	46											
20 / 19	1.1	4.1	.6	.2														55	55	44	48											
18 / 17	1.2	2.4	.8	.1														41	41	48	43											
16 / 15	.8	1.4	.8															27	27	39	56											
14 / 13	.2	1.1	.5															16	16	22	50											
12 / 11	.4	1.8	.1															24	24	24	34											
10 / 9	.3	1.9	.3															26	26	21	18											
8 / 7	.2	1.6																17	17	23	29											
6 / 5	.2																	2	2	17	14											
4 / 3		1.2																11	11	4	20											
2 / 1		.2																2	2	7	20											
0 / -1		.2																2	2	3	7											
-2 / -3		.1																1	1	2	10											
-4 / -5																					15											
-6 / -7																					20											
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																																
Dry Bulb																																
Wet Bulb																																
Dew Point																																

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

HOURS (L, S, T,)

[illegible]

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

TEARS

J&H

AMOUNT OF

1550-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) NEWLED WITHOUT EDITIONS OF THE FORM ARE OBLIITE

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

1090
USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34114 FAIRCHILD AFB WA

70-79

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
50 / 55				.1														1	1						
54 / 53			.1															1	1						
52 / 51		.1	.1															2	2						
5 / 49																				4					
48 / 47				.1														1	1		1				
46 / 45		.3	.1	.1	.1													6	6		3				
44 / 43		.5	.5															10	10	3	1				
42 / 41		1.4	.5	.2														20	20	8	4				
4 / 39	.3	2.7	.9	.1														37	37	28	11				
38 / 37	1.4	3.7	1.1	.1														58	58	48	28				
36 / 35	.9	5.2	1.5															70	70	56	38				
34 / 33	1.7	3.5	1.2	.1														61	61	75	60				
32 / 31	2.9	4.0	1.3	.3														79	79	76	72				
3 / 29	1.8	4.6	1.7	.1														77	77	76	60				
28 / 27	2.6	5.9	1.6	.2														96	96	81	78				
26 / 25	.9	5.7	1.7															69	69	75	56				
24 / 23	.5	4.4																45	45	74	53				
22 / 21	.2	3.6	.4															39	39	43	62				
2 / 19	1.5	2.8	.9															48	48	42	62				
18 / 17	1.1	2.9	1.3															49	49	48	52				
16 / 15	.1	2.1	.6															26	26	35	38				
14 / 13	.3	1.9	1.4															30	30	31	32				
12 / 11	.6	2.5	.3															32	32	26	27				
1 / 9	.7	1.4	.3															19	19	36	32				
8 / 7	.7	1.7	.2															21	21	17	26				
6 / 5	.3	1.6																18	18	27	18				
4 / 3		.9																8	8	9	24				
2 / 1		.8																7	7	10	21				
/ -1																				3	14				
-2 / -3																					15				
-4 / -5																					5				
-6 / -7																					7				
-8 / -9																					20				
-10 / -11																					7				
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OLA) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JAN 64

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

1800-2000
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24114 FAIRCHILD AFB WA

70-79

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
2 / 51			.1															1	1			
5 / 49		.1	.1															2	2	1		
45 / 47																				2	1	
46 / 45		.3	.4															7	7		2	
44 / 43	.1	.4	.4															9	9	6	3	
42 / 41		1.4	.9															21	21	7	1	
4 / 39	.1	2.9	.4	.2														34	34	22	16	
38 / 37	1.1	3.2	.5	.2														46	46	41	17	
36 / 35	1.1	4.7	1.8	.1														72	72	55	35	
34 / 33	1.3	4.9	.2															56	56	66	67	
32 / 31	3.1	5.1	.4															78	78	88	54	
3 / 29	1.8	3.5	.6	.1														57	57	64	72	
28 / 27	2.9	6.5	.6	.4														96	96	76	87	
26 / 25	1.5	7.1	.9															87	87	72	44	
24 / 23	.6	5.3	.3															58	58	87	57	
22 / 21	.4	2.6	.2															30	30	53	61	
2 / 19	1.8	3.5	.2															52	52	33	66	
18 / 17	1.1	2.2	.9															38	38	53	45	
16 / 15	.3	2.2	.5															28	28	24	36	
14 / 13	.5	2.4	.8															34	34	33	27	
12 / 11	.3	2.8	.5															34	34	24	38	
1 / 9	.3	2.4	.4															29	29	40	32	
8 / 7	.4	1.5																13	13	23	23	
5 / 5	.5	1.1	.1															13	13	19	19	
4 / 3		2.7																19	19	11	25	
2 / 1		1.1																10	10	18	21	
1 / -1	.4	.1																5	5	11	16	
-2 / -3	.1																	1	1	1	16	
-4 / -5																					6	
-6 / -7																					6	
-8 / -9																					26	
-10 / -11																					7	
-12 / -13																					2	
-14 / -15																					1	
Element (X)	Σ X ²		Σ X		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVIS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2

2100-2300
HOURS (L. S. T.)

[illegible]

0-26-5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (QLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2014 FAIRCHILD AFB WA

7C-79

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
59 / 59				.1														1	1					
58 / 57			.1	.1														6	6					
56 / 55			.1	.1														4	4					
54 / 53		.1	.1															3	3	4				
52 / 51		.1	.1															7	7	5	1			
51 / 49		.1	.1															9	9	11	4			
48 / 47		.1	.1	.1														13	13	12	4			
46 / 45	.1	.5	.3	.1	.1													72	72	14	36			
44 / 43	.1	.4	.1	.1	.1													89	89	43	20			
42 / 41	.1	1.2	.5	.2														146	146	65	33			
41 / 39	.3	2.6	.7	.2														283	283	204	83			
38 / 37	.8	2.6	1.3	.2														362	362	295	171			
36 / 35	.9	4.4	1.5	.1	.1													518	518	402	257			
34 / 33	1.9	4.1	1.5	.2	.1													583	583	602	432			
32 / 31	2.5	5.5	.9	.2														637	637	633	545			
31 / 29	1.9	4.4	1.1	.2														551	551	658	557			
28 / 27	2.3	5.2	1.1	.2														646	646	579	626			
26 / 25	1.2	5.8	.8	.1														580	580	532	493			
24 / 23	.5	4.4	.4	.1														403	403	560	402			
22 / 21	.7	3.7	.4	.1														360	360	445	447			
21 / 19	1.3	3.7	.5	.1														412	412	349	482			
18 / 17	.9	2.8	.5	.1														320	320	400	385			
16 / 15	.4	2.2	.5															237	237	268	313			
14 / 13	.4	2.1	.5															224	224	231	304			
12 / 11	.8	2.1	.4															230	230	229	307			
11 / 9	.5	2.2	.5															236	236	215	246			
8 / 7	.4	1.5	.1															148	148	203	199			
6 / 5	.2	1.2	.1															108	108	175	145			
4 / 3	.3	1.1																99	99	98	137			
2 / 1	.1	1.1																77	77	83	143			
1 / -1	.3	.1																32	32	72	116			
-2 / -3	.1	.2																18	18	23	124			
-4 / -5	.1	.1																9	9	11	81			
-6 / -7	.1	.1																15	15	8	99			
Element (X)	ΣX ²		ΣX		̄X	σ _x	No. Obs.		Mean No. of Hours with Temperature										Total					
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F										
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 44 JUL 64 0-26-5 (OL A) REVISED EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

ALL
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24114 FAIRCHILD AFB WA

73-79

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
45/ 45		.1	.4															4	4				
44/ 43		.7	.2															8	8	1	1		
42/ 41		1.3	.5	.5														19	19	12	1		
41/ 39	.1	1.5	1.3	.4														28	28	11	10		
39/ 37	.9	3.1	1.2	.6														49	49	37	18		
38/ 35	3.1	6.7	3.2	.2														112	112	74	43		
37/ 33	1.9	9.8	3.1															125	125	96	55		
36/ 31	2.1	.4	2.1	.2	.2													127	127	138	91		
37/ 29	1.4	9.9	1.9	.2	.1													115	115	127	87		
28/ 27	2.4	4.7	1.7	.1														75	75	115	112		
26/ 25	.9	7.1	.8															74	74	64	124		
24/ 23		2.1	1.1	.4														29	29	65	67		
22/ 21	.2	2.1	.2	.4														25	25	26	66		
21/ 19	.1	.8	.7															14	14	19	36		
19/ 17		.2	.2	.2														6	6	16	28		
16/ 15		1.1	.4	.1														13	13	12	17		
14/ 13		.4																3	3	9	18		
10/ 11		.2																2	2	6	14		
9/ 9		.7																6	6	1	11		
8/ 7																				5	9		
6/ 5																					3		
4/ 3		.2																2	2		6		
2/ 1		.1																1	1	2	5		
1/ -1		.1																1	1	1	6		
-2/ -3		.1																1	1	2			
-4/ -5	.1																	1	1	2	3		
-6/ -7	.5																	4	4	4	3		
-8/ -9	.2																	2	2	2	1		
-10/-11																					3		
-12/-13																					1		
-14/-15																					3		
-16/-17																					3		
-18/-19																					1		
Element (X)	ΣX ²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2-114 FAIPCHILD AFB WA

70-79

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0903-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
54/ 53					.1	.2												2	2				
5 / 49				.1	.2													1	1				
48/ 47			.1	.2														3	3	2			
46/ 45		.8	.8	.2	.2													16	16	2			
44/ 43		.9	.6	.5	.2													19	19	9	5		
42/ 41		1.4	1.2	.9	.1													31	31	16	2		
4 / 39	.1	2.1	1.7	.7														39	39	25	14		
36/ 37	1.9	3.9	3.2	.6														81	81	54	38		
36/ 35	2.1	7.4	4.6	.6														125	125	81	44		
34/ 33	2.2	7.4	4.1	.7														123	123	131	64		
32/ 31	1.7	7.1	3.9	.5	.2													112	112	119	83		
3 / 29	1.9	7.3	1.9		.2													96	96	128	113		
28/ 27	1.3	5.7	1.4	.1														72	72	95	101		
26/ 25	.6	3.4	.7	.1														41	41	63	111		
24/ 23	.4	.8	.8	.2														19	19	35	65		
22/ 21		1.3	.8															18	18	18	63		
2 / 19		.9	.4	.5														11	11	16	28		
18/ 17		.6	.2															7	7	12	26		
16/ 15		.4	.1															4	4	7	9		
14/ 13	.4	.2	.1															6	6	10	9		
12/ 11		.6	.1															6	6	4	15		
1 / 9		.2																2	2	5	9		
8/ 7		.2																2	2	3	4		
6/ 5																				2	5		
4/ 3		.1																1	1		12		
2/ 1		.6																5	5	2	5		
1 / -1		.1																1	1	4	4		
-2/ -3	.2	.1																3	3	4	2		
-4/ -5																					4		
-6/ -7																					6		
-8/ -9																					3		
-1 / -11																					1		
-12/-13																					1		
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OL A) REVISI PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

FEB
1951

PAGE 2 2938-1160
HOURS (L. S. T.)

[illegible]

1096
USAFETAC 0-26-5 (OL A)
FORM 44
REVISED WITHOUT NOTICE OF THIS FORM AND ITS CONTENTS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-14 FAIRCHILD AFB WA 7J-79 YEARS FEB
STATION STATION NAME MONTH
PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
5- / 55				.4														1	1					
4- / 53			.1	.2	.4	.1												7	7					
3- / 51			.2	.5	.2													9	9					
2- / 49		.1	.3	.6	.7													19	19	5				
1- / 47		.1	.4	1.1	.6	.9												22	22	11				
0- / 45		1.1	1.1	.7	1.3	.1												40	40	7	10			
-1 / 43		.6	1.5	2.1	1.1													44	44	24	6			
-2 / 41		1.7	3.3	1.9	.2	.2												52	62	32	7			
-3 / 39		.2	2.8	3.7	2.6	.9												87	67	58	19			
-4 / 37		1.1	3.5	5.6	2.1	.1												105	105	98	42			
-5 / 35		.9	4.1	5.7	2.6	.2	.5											119	119	97	50			
-6 / 33		1.7	5.2	3.9	1.1	.1	.1											101	101	127	89			
-7 / 31		.6	4.4	2.5	.8													70	70	130	92			
-8 / 29		.7	2.5	1.3	.4													41	41	85	97			
-9 / 27		.5	3.7	1.2	.6													50	50	56	105			
-10 / 25		.4	1.3	.8	.1	.1												19	19	45	113			
-11 / 23		.5	.8	.2	.1													14	14	15	51			
-12 / 21		.1	.1	.2														4	4	12	35			
-13 / 19		.5																5	5	9	29			
-14 / 17		.7	.3															9	9	9	22			
-15 / 15		.2	.1															3	3	6	9			
-16 / 13		.5																4	4	6	14			
-17 / 11																				4	10			
-18 / 9		.4																3	3		7			
-19 / 7		.2																2	2	3	10			
-20 / 5		.1																1	1	2	11			
-21 / 3		.1																3	3	4	1			
-22 / 1		.1																2	2	1	7			
-23 / -1																				1	3			
-24 / -3																					2			
-25 / -5																					4			
-26 / -7																					1			
-27 / -9																					3			
Element (X)	Σ X²		Σ X		Σ	°A	No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.									± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total									
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC
NORM
AN 30
0-26-3 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

20114 FAIRCHILD AFB WA

70-79

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
5- / 55				.2	.2													4	4		
54 / 53			.1	.2	.2	.5												9	9		
52 / 51			.2	.4	1.4													21	21	1	
5 / 49			.1	.7	1.3													18	18	4	
48 / 47			.5	.5	.3	.7												21	21	6	
46 / 45		.5	1.3	1.9	.7	.1												38	38	11	7
44 / 43		.8	1.4	3.2	.9	.2												56	56	28	5
42 / 41		1.7	3.0	2.7	.5	.4												63	63	41	5
4 / 39	.1	3.7	3.1	1.7	.9													73	73	55	20
38 / 37	1.6	5.0	6.3	3.5	.4													138	138	109	43
36 / 35	.5	4.6	5.3	2.5	.4	.5												116	116	103	64
34 / 33	1.3	3.9	3.0	1.2	.6													84	84	127	98
32 / 31	.5	4.1	1.5	.6	.7													63	63	113	91
3 / 29	.1	2.4	1.8	.5														40	40	80	78
28 / 27	.9	1.9	1.4	.4														39	39	54	114
26 / 25	.5	1.3			.4													18	18	43	96
24 / 23		.6	.6		.2													12	12	23	49
22 / 21			.9	.1														5	5	7	40
2 / 19		.6	.6															8	8	11	37
18 / 17		.2	.2															4	4	4	19
16 / 15		.1	.4															4	4	9	13
14 / 13		.4																3	3	4	7
12 / 11		.2																2	2	4	9
10 / 9		.1																1	1	2	10
8 / 7	.1	.2																3	3	3	13
6 / 5																				1	6
4 / 3																					4
2 / 1		.2																2	2	1	5
0 / -1		.1																1	1	1	4
-2 / -3																				1	2
-4 / -5																					1
-6 / -9																					2
-10 / -11																					4
Element (X)	ΣX ²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64
USAFETAC

PSYCHROMETRIC SUMMARY

FEB
MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2114 FAIRCHILD AFB WA

73-79

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
27 / 5				.4														3	3		
5 / 45			.2	.2														4	4		
42 / 47			.1	.4	.4	.1												8	8	1	
45 / 45		.4	.9	.8	.1		.1											19	19	4	
44 / 43		1.2	.7	1.2	.2													28	28	9	
42 / 41		.9	2.1	2.4	.2													48	48	4	
41 / 39	.5	2.1	2.6	.9	.1													53	53	29	
38 / 37	.9	4.4	5.6	.9														100	100	19	
36 / 35	1.7	8.2	4.3	1.1														128	128	66	
34 / 33	1.2	7.9	6.3	2.7	.2													149	149	25	
32 / 31	.2	5.2	4.7	.4	.4													86	86	63	
31 / 29	.6	4.3	3.2	.9	.1													73	73	110	
29 / 27	1.2	3.2	1.7	.4	.1													55	55	104	
28 / 25	.1	2.2	.6	.4														28	28	89	
24 / 23	.2	.9	.5	.2														16	16	108	
22 / 21	.1	.7	.4	.2														12	12	101	
21 / 19		1.1	.9	.2														15	15	57	
18 / 17																				35	
15 / 15		.3	.1															3	3	23	
14 / 13		.5	.1															5	5	7	
12 / 11		.1																1	1	13	
11 / 9		.4																3	3	5	
8 / 7		.4																3	3	1	
6 / 5																				13	
4 / 3		.4																3	3	5	
2 / 1																				2	
1 / -1																				9	
-2 / -3	.1																	1	1	3	
-6 / -7	.1																	1	1	2	
-8 / -9	.1																	1	1	2	
-11 / -11																				4	
-16 / -17																				1	
-18 / -19																				1	
Element (X)	Σ x'		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

1800-2000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24114 FAIRCHILD AFB WA

70-79

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
47 / 47			.4															3	3			
46 / 45		.4	.4	.1														7	7	1	1	
44 / 43		.9	.6	.2														15	15	5	2	
42 / 41		.7	1.3	.5	.1													22	22	11		
41 / 39	.6	2.1	2.7	.3														50	50	23	16	
38 / 37	1.1	4.3	3.4	.4														77	77	48	18	
36 / 35	2.4	7.8	3.7	.6														116	116	101	54	
34 / 33	1.5	6.6	4.8	.2	.1													130	130	97	63	
32 / 31	1.4	9.5	2.6	.9	.4													125	125	144	84	
31 / 29	1.1	7.4	3.1	.2														100	100	114	116	
28 / 27	1.2	5.0	1.4															64	64	102	105	
26 / 25	.4	3.7	1.2	.4														41	41	66	110	
24 / 23		1.1	.4	.6														17	17	33	58	
22 / 21	.1	3.2	.5	.1														33	33	26	57	
21 / 19	.5	.6	.7	.1														16	16	25	30	
18 / 17		.1	.4	.2														6	6	14	31	
15 / 15		1.1																9	9	12	24	
14 / 13			.1															1	1	8	10	
12 / 11		.1																1	1	2	13	
11 / 9		.1																1	1	1	13	
6 / 7		.6																5	5	4	8	
6 / 5		.1																1	1	2	5	
4 / 3																				1	1	
2 / 1																					9	
1 / -1	.1																	1	1	1	4	
-2 / -3		.1																1	1	1	1	
-4 / -5	.1																	1	1	1	4	
-8 / -9	.4																	3	3	3		
-11 / -11																					5	
-12 / -13																					1	
-16 / -17																					1	
-18 / -19																					2	
TOTAL	19.8	56.7	26.8	5.1	.8													846	846	846	846	
Element (X)	ΣX ²		ΣX		X	ΣX		X	No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.	5437098		66952		79.1	12.805		846	≤ 0 F		≤ 32 F	≥ 67 F		≥ 73 F	≥ 80 F		≥ 93 F	Total				
Dry Bulb	887743		26769		31.6	6.942		846	.6		42.3							84				
Wet Bulb	779413		25723		29.6	6.817		846	.6		55.6							84				
Dew Point	621002		21672		25.6	8.826		846	1.8		68.7							84				

FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

24114 FAIRCHILD AFB WA

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FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
50 / 55				.1	.1													5	5					
54 / 53			.1	.1	.1	.1												18	18					
52 / 51			.1	.1	.3	.1												33	33	1				
50 / 49		.1	.1	.2	.3													42	42	7				
48 / 47		.1	.2	.3	.2	.2												60	60	19				
46 / 45		.4	.7	.4	.4	.1												131	131	25	18			
44 / 43		.7	.7	.9	.3	.1												174	174	80	23			
42 / 41		1.1	1.5	1.1	.1	.1												263	263	146	19			
40 / 39	.3	2.2	2.1	.9	.2													387	387	224	106			
38 / 37	1.3	3.6	3.3	1.1	.1													629	629	474	234			
36 / 35	2.1	6.1	3.5	1.1	.1	.1												872	872	697	385			
34 / 33	2.1	7.5	3.8	.7	.1	.1												964	964	867	546			
32 / 31	1.3	7.9	2.8	.5	.2													857	857	1001	689			
30 / 29	1.2	6.6	2.0	.2	.1													688	688	928	769			
28 / 27	1.4	4.9	1.4	.3	.1													543	543	752	680			
26 / 25	.7	4.1	.6	.1	.1													372	372	493	856			
24 / 23	.2	1.5	.7	.3	.1													188	188	320	513			
22 / 21	.2	1.6	.4	.1														159	159	183	459			
20 / 19	.1	.8	.4	.1														104	104	140	300			
18 / 17	.1	.4	.2	.1														51	51	102	202			
16 / 15		.6	.2	.1														59	59	73	137			
14 / 13	.1	.3	.1															36	36	64	94			
12 / 11		.3	.1															24	24	37	95			
10 / 9		.4																25	25	27	79			
8 / 7	.1	.2																16	16	31	69			
6 / 5		.1																2	2	9	44			
4 / 3		.2																11	11	5	44			
2 / 1	.1	.1																11	11	11	51			
0 / -1	.1	.1																11	11	14	38			
-2 / -3	.1	.1																12	12	17	11			
-4 / -5	.1	.1																9	9	8	20			
-6 / -7	.1																	6	6	7	21			
-8 / -9	.1																	6	6	6	17			
-10 / -11																					31			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-3 (OL A) JUL 64

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PSYCHROMETRIC SUMMARY

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FES

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-1/-15																					3	
-1/-15																					4	
-1/-17																					7	
-1/-19																					4	
TOTAL	11.5	51.7	25.0	6.6	2.6	.6												6768	6768	6768		
																		6768		6768		
Element (X)	Σx'	Σx	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Rel. Hum.	42251702	526214	77.8	14.06%	6768	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							672				
Dry Bulb	7485394	218896	32.3	7.69%	6768	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							672				
Wet Bulb	6453607	203265	30.0	7.18%	6768	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							672				
Dew Point	5028860	174336	25.8	8.91%	6768	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							672				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PSYCHROMETRIC SUMMARY

24114 FAIRCHILD AFB WA
STATION STATION NAME

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YEARS

MAR
MONTH

PAGE 1 0000-3200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
53 / 53		.1																1	1			1			
51 / 51		.2																2	2			2			
49 / 49			.2															2	2			2			
47 / 47			.3	.4														10	10			10			
45 / 45	.6	.8	1.3	.4														29	29			19		13	
43 / 43	.1	1.9	2.7	.5														49	49			14		7	
41 / 41	.8	1.2	1.5	1.3	.3													47	47			42		14	
39 / 39	1.0	2.4	2.0	2.5	.8													80	80			51		32	
37 / 37	1.3	3.0	3.4	1.9	.9	.1												98	98			54		46	
35 / 35	.9	6.1	4.8	2.2	.6													136	136			82		38	
33 / 33	1.0	8.6	4.1	1.5	.2													143	143			119		55	
31 / 31	.9	6.8	3.9	.6	.2													115	115			177		91	
29 / 29	.9	5.3	2.8	.3	.1													84	84			127		115	
27 / 27	.8	2.9	3.7	.4														72	72			103		105	
25 / 25	.1	2.2	.8	.3														31	31			53		119	
23 / 23	.1	.6	.2															9	9			54		61	
21 / 21		.3	.1															4	4			11		58	
19 / 19			.1															1	1			7		63	
17 / 17		.4	.1															5	5			2		43	
15 / 15		.2	.5															7	7			6		23	
13 / 13																						5		13	
11 / 11		.1																1	1			1		7	
9 / 9	.1	.3																4	4			3		3	
7 / 7																						2		13	
5 / 5																								3	
3 / 3																								4	
1 / 1																								4	
-1 / -1																								3	
TOTAL	5.1	43.8	32.6	12.5	3.0	.1												930	930			930		930	
Element (X)	Σ X ²		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		
Rel. Hum.	5479739		70239		75.5		13.720		930		≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total		
Dry Bulb	1136280		32024		34.4		6.010		930				33.3										93		
Wet Bulb	968731		29503		31.7		5.941		930				55.1										93		
Dew Point	741745		25211		27.1		7.923		930		.3		72.5										93		

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

20114	FAIRCHILD AFB WA
STATION	STATION NAME

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YEARS

MA3

MONTH

PAGE 1 0390-0500
HOURS (L. S. T.)

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

20114 FAIRCHILD AFB WA

73-79

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
5 / 49	.3																	3	3	3	3				
10 / 47		.3	.1	.1														5	5	5	5				
15 / 45			.5	1.5	.1													20	20	7	6				
20 / 43	.1	1.3	1.4	.5	.3	.1												35	35	12	3				
25 / 41	.9	1.4	1.6	.9	.2													45	45	28	14				
30 / 39	.6	3.4	2.2	.9	.2													66	66	48	23				
35 / 37	1.1	3.7	2.5	1.2														71	71	55	34				
40 / 35	1.1	5.6	2.8	1.9	.1													106	106	74	54				
45 / 33	.8	8.7	4.4	1.5	.1													144	144	104	53				
50 / 31	1.9	8.9	3.7	1.5														149	149	146	94				
55 / 29	1.6	7.1	3.4	.6														119	119	173	111				
60 / 27	1.2	3.4	1.9	.1														62	62	113	123				
65 / 25	.5	2.4	.3	.1														31	31	60	105				
70 / 23	.1	2.7	.6															32	32	45	63				
75 / 21	.1	.4	.3															8	8	25	60				
80 / 19	.3	.3	.6															12	12	11	71				
85 / 17		.3																3	3	6	38				
90 / 15		.5	.1															6	6	9	18				
95 / 13		.1	.3															4	4	3	14				
100 / 11	.1	.3																4	4	3	7				
105 / 9		.1																1	1	5	13				
110 / 7	.1																	1	1	2	9				
115 / 5																					4				
120 / 3																					2				
125 / 1																					4				
130 / -3																					1				
135 / -5																					2				
TOTAL	10.9	51.0	27.9	9.5	1.0	.1													929	929	929				
																			929		929				
Element (X)	ΣX ²		ΣX		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature								Total				
Rel. Hum.	5866209		72789		73.4		13.247		929		≥ 0 F		≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					93			
Dry Bulb	1054692		30770		33.1		6.188		929				43.2									93			
Wet Bulb	917221		28647		30.8		6.040		929				59.9									93			
Dew Point	722178		24878		26.8		7.766		929				.3	74.0								93			

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1102

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2-14 FAIRCHILD AFB WA

72-79

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
2/ 0							1											1	1					
3/ 5				2	1	1												4	4					
5/ 55				2	1													3	3					
4/ 53			1	2	2	2	4											8	8					
2/ 51			8	3	1.1	1	1											22	22	3				
5 / 49		1	4	6	1.1	6	2	1										29	29	6				
4/ 47	2	4	8	1.7	5	1.1	1											45	45	11	4			
3/ 45	4	4	2.4	2.4	2.2	8	1											80	80	25	16			
4/ 43	5	1.1	2.4	2.6	1.4	6	1											80	80	37	19			
2/ 41	2	1.5	3.1	2.7	1.1	8												65	85	63	9			
4 / 39	2	2.4	2.7	4.1	6	5												98	98	76	28			
3/ 37	4	2.9	4.7	3.1	6	2												112	112	107	46			
2/ 35	8	3.2	4.7	2.5	6													110	110	118	77			
3-/ 33	9	4.8	2.5	2.1	2													97	97	149	78			
2/ 31	1.1	3.1	1.2	6	3													59	59	129	83			
3 / 29	5	1.3	1.3	4	2													35	35	86	113			
28/ 27	1	1.3	9	4														25	25	43	124			
28/ 25		8	5	1														13	13	28	79			
24/ 23		6	2															8	8	23	37			
22/ 21		3	3	1														7	7	11	66			
27/ 19	1	1	2															4	4	6	42			
28/ 17		1	2															3	3	3	36			
16/ 15		1	1															2	2	4	20			
14/ 13																				3	13			
17/ 11																				1	6			
2 / 9																					12			
8/ 7																					6			
6/ 5																					6			
4/ 3																					1			
2/ 1																					1			
/ -1																					2			
-2/ -3																					1			
TOTAL	5.524	5.29	4.24	4.10	2.5	2.2	.8	.1										930	930	930	930			
Element (X)	Z _g	Z _x	X	° _g	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	4552529	63323	68.1	16.104	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93												
Dry Bulb	1430324	35908	38.6	6.873	930		15.6					93												
Wet Bulb	1141012	32180	34.5	6.087	930		33.4					93												
Dew Point	303594	26292	28.3	8.056	930	.3	65.3					93												

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTN

PAGE 1 1230-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

13-79

МАД

514137

STATION NAME

YEARS

LIGHT

PAGE 2

1266-1466

MOORE (L. S. T.)

[illegible]

USAFETAC FORM 0.26.5 (OLA) REPLACES PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14-14 FAIRCHILD AFB WA

70-79

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
66/ 65							.1	.1											2	2							
64/ 63					.2	.2		.1											5	5							
62/ 61						.4	.1	.1											6	6							
60/ 59					.3	.5	.6	.3											17	17							
58/ 57			.1		.4	1.5	.9	.1											25	25							
56/ 55			.1	.3	.1	.6	1.0	.1											21	21	3						
54/ 53		.1	.1	.2	1.1	1.3	1.3	.2											41	41	3						
52/ 51	.1			.8	1.7	1.1	1.8	.4											55	55	13	3					
50/ 49	.2	.9	.5	.6	1.8	2.2	.6	.5											69	69	20	5					
48/ 47	.2	.2	.1	1.8	2.3	1.9	1.1	.2											73	73	40	9					
46/ 45	.1	1.2	.8	2.2	4.6	3.7	.8												123	123	37	14					
44/ 43	.2	1.4	1.2	3.4	3.4	1.8	.5												112	112	72	20					
42/ 41	.1	1.3	1.6	2.4	2.3	1.0													80	80	88	29					
40/ 39		2.2	1.8	1.9	1.6	.9													78	78	95	25					
38/ 37		1.3	1.3	2.3	1.5	.8													66	66	135	53					
36/ 35	.4	3.0	1.7	1.3	.4	.4													68	68	138	69					
34/ 33	.3	1.5	.3	.3	.3														28	28	107	74					
32/ 31	.2	.8	.2	1.5	.3														28	28	71	89					
30/ 29	.1	.4	.5	.8															17	17	36	86					
28/ 27			.3																3	3	24	91					
26/ 25		.4		.8															11	11	30	83					
24/ 23				.2															2	2	8	55					
22/ 21																					1	55					
20/ 19																					6	41					
18/ 17																					2	37					
16/ 15																						23					
14/ 13																						21					
12/ 11																						16					
10/ 9																						4					
8/ 7																						3					
6/ 5																						3					
4/ 3																						8					
2/ 1																						2					
0/ -1																						2					
Element (X)	Σ X ²				Σ X				X̄				σ _x				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

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USAFETAC 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSO.

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24114 FAIRCHILD AFB WA

73-79

MAR
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
57/ 57		.1																1	1						
56/ 55		.1				.2												3	3	1					
54/ 53						.1												3	3	1	2				
52/ 51		.1	.1				.1											3	3	1	1				
50/ 49		.1	.6			.2	.2											11	11						
48/ 47	.2	.4	.8	1.1	.3													29	29	9	2				
46/ 45	.3	1.1	2.5	1.5	1.7	.1												60	60	17	9				
44/ 43	.9	.9	2.6	1.2	.9	.1												59	59	30	19				
42/ 41	.6	2.5	2.2	2.2	1.1	.3												81	81	51	20				
40/ 39		2.4	3.4	2.1	1.5	.2												89	89	64	25				
38/ 37	.9	2.9	4.9	1.7	1.2	.2												109	109	73	47				
36/ 35	.9	5.3	6.9	2.3	.5													147	147	119	52				
34/ 33	1.1	5.6	4.8	1.9	.1													125	125	136	78				
32/ 31	.6	2.8	3.7	1.1	.1													77	77	155	86				
30/ 29	.3	2.6	2.4	.8	.3													59	59	102	106				
28/ 27		1.9	2.4	.2														42	42	75	108				
26/ 25		1.1	.4	.1														15	15	43	101				
24/ 23		.1	.2															3	3	30	55				
22/ 21		.1																1	1	7	61				
20/ 19			.9															8	8	3	55				
18/ 17			.2															2	2	2	34				
16/ 15																				8	25				
14/ 13		.1																1	1	1	9				
12/ 11	.1	.1																2	2	2	6				
10/ 9																					10				
8/ 7																					5				
6/ 5																					8				
4/ 3																					4				
2/ 1																					2				
TOTAL	5.6	30.2	38.9	15.9	8.1	1.3													930	930	930				
																			930		930				
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ				
Rel. Hum.	4982583		66601		74.6		15.143		930		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F				
Dry Bulb	1290775		34173		36.7		6.145		930				21.0								93				
Wet Bulb	1064456		30982		33.3		5.899		930				42.8								93				
Dew Point	784028		25938		27.9		8.077		930				67.5								93				

USAFETAC FORM 0-26-5 (OLA) JUL 64

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24114 FAIRCHILD AFB WA

78-79

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point							
66/ 65																			3	3							
64/ 63																			10	10							
62/ 61																			11	11							
60/ 59																			29	29							
58/ 57																			5	57							
56/ 55																			57	57							
54/ 53																			114	114	11	3					
52/ 51																			149	149	27	7					
50/ 49																			210	210	73	23					
48/ 47																			306	306	109	26					
46/ 45																			514	514	175	92					
44/ 43																			555	555	277	106					
42/ 41																			581	581	469	143					
40/ 39																			661	661	572	224					
38/ 37																			728	728	705	375					
36/ 35																			826	826	858	466					
34/ 33																			818	818	967	538					
32/ 31																			648	648	998	736					
30/ 29																			480	480	821	847					
28/ 27																			295	295	538	843					
26/ 25																			163	163	347	740					
24/ 23																			85	85	235	449					
22/ 21																			36	36	80	474					
20/ 19																			37	37	59	437					
18/ 17																			18	18	33	288					
16/ 15																			21	21	32	192					
14/ 13																			9	9	17	114					
12/ 11																			7	7	12	71					
10/ 9																			9	9	10	82					
8/ 7																			2	2	5	54					
6/ 5																											
4/ 3																											
2/ 1																											
0/ -1																											
Element (X)	Σ X ²				Σ X				X				C _x				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

ALL

ALL
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISYD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-114 FAIRCHILD AFB WA

70-79

YEARS

PAGE 1

0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry	Wet Bulb	Dew Point						
67/65																			1	1						
64/63																			2	2						
62/61																			1	1						
61/59																			5	5						
58/55																			6	6						
54/53																			17	17						
52/51	.1																		17	17	2	1				
51/49	.1	.1																	33	33	6	1				
48/47	.1																		36	36	12	1				
46/45	.3	1.2																	88	88	34	4				
44/43		.4																	80	80	41	10				
42/41		2.6																	99	99	55	19				
41/39	.9	3.4																	114	114	110	39				
39/37	.9	3.7																	104	104	134	66				
38/35	.2	3.7																	101	101	96	79				
34/33	.6	3.6																	87	87	117	103				
32/31	.1	3.4																	72	72	132	84				
31/29		1.1																	20	20	79	88				
26/27		.1																	15	15	49	112				
26/25																										
24/23		.1																	1	1	11	37				
22/21		.1																	1	1	1	45				
21/19																										
18/17																										
16/15																										
14/13																										
12/11																										
11/9																										
TOTAL	3.3	22.9	31.1	26.1	10.2	4.7	1.1	.6	.1										900	900	900	900				
Element (X)	Σ X ²		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X			
Rel. Hum.	4370217		61195		68.0		15.258		900		± 0 F		± 32 F		± 47 F		± 73 F		± 80 F		± 93 F		Total			
Dry Bulb	1459567		35791		39.8		6.349		900				10.9										90			
Wet Bulb	1159286		31938		35.9		5.369		900				29.3										90			
Dew Point	821087		26469		29.4		6.886		900				57.7										90			

NOAA FORM 44 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

PSYCHROMETRIC SUMMARY

2014 FAIRCHILD AFB WA 70-79 APR
STATION MONTH
PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		Dry Bulb	Wet Bulb	Dew Point
60/50								.3								3	3		
59/50						.1		.1								2	2		
58/50					.1		.1									2	2		
57/50																1	1		
56/50				.1		.7	.1									8	8		
55/50			.3	.2	.1											6	6		
54/50			.3	.4	.7	.6										18	18	2	
53/50	.2	.2	.9	.8	.7	.1										26	26	10	2
52/50	.2	1.1	1.7	1.4	1.2	.2										53	53	16	4
51/50	.2	1.2	2.9	2.2	.7											65	65	31	10
50/50		2.1	3.7	2.1	.8	.3										80	80	52	15
49/50	.8	3.7	4.7	2.6	.4											109	109	74	33
48/50	1.1	4.2	3.7	2.3	.4											105	105	113	44
47/50	1.1	4.1	4.0	1.3	.3											101	101	114	79
46/50	1.1	5.1	5.8	.9												115	115	115	64
45/50	.8	6.1	4.0	.2												100	100	134	121
44/50	.7	1.9	2.3	.4												48	48	109	88
43/50	.2	1.7	2.6	.1												41	41	60	113
42/50	.1	.5	.9													14	14	38	110
41/50		.2														2	2	21	45
40/50																		10	45
39/50																			47
38/50																			28
37/50																			14
36/50																			9
35/50																			8
TOTAL	6.2	32.3	37.7	15.6	5.6	2.0	.2	.4								899	899	899	
Element (X)	ΣX ²		ΣX		X		X ²		No. Obs.		Mean No. of Hours with Temperature								Total
Rel. Hum.	4941524		65448		72.8		14.034		899		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			
Dry Bulb	1293701		33647		37.4		6.188		899			20.5						90	
Wet Bulb	1070764		30646		34.1		5.388		899			37.2						90	
Dew Point	795537		26077		29.0		6.601		899			52.9						90	

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2-14 FAIRCHILD AFB WA

79-79

APR

STATION

STATION NAME

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PAGE 1

0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
71 / 71										.1								1	1	
66 / 65									.2									2	2	
62 / 61								.2										2	2	
59 / 59							.3	.2										5	5	
55 / 57				.2	.1	.3												6	6	
51 / 55				.1	.2	.1												4	4	
47 / 53			.2	.2	.1	.4	.1	.1										11	11	2
42 / 51		.1	.1	.3	.3	.6	.2											19	19	4
37 / 49		.2	.6	.6	.8	.2	.2											23	23	11
32 / 47		.2	1.7	1.2	1.2	.2												35	35	12
27 / 45	.4	1.4	1.9	3.1	2.3	.3												86	86	22
24 / 43	.5	1.9	3.1	2.8	.8	.2												82	62	42
22 / 41	.3	2.8	4.7	2.8	.4	.4												97	97	71
19 / 39	.4	4.6	4.8	3.2	.7	.1												124	124	111
17 / 37	.3	4.1	4.7	1.7	.8													103	103	127
15 / 35	.7	3.9	3.6	1.6	.6													92	92	118
13 / 33	.8	4.1	2.3	1.4														81	81	124
12 / 31	.7	3.6	2.4	.9														68	68	93
9 / 29	.3	1.4	1.8	.1														33	33	77
8 / 27	.1	1.2	1.1															21	21	50
5 / 25	.1	.2	.1															4	4	27
24 / 23																			7	52
22 / 21																				1
21 / 19																				22
19 / 17																				23
16 / 15																				18
14 / 13																				6
12 / 11																				1
TOTAL	4.6	29.6	32.7	20.2	8.8	3.3	1.0	.1	.2	.1								899	899	899
Element (X)	ΣX²		ΣX		X̄		σ²		No. Obs.		Mean No. of Hours with Temperature							Total		
Rel. Hum.	4738890		63892		71.1		14.852		899		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total			
Dry Bulb	1447483		35589		39.6		6.557		899			12.6	.1				90			
Wet Bulb	1174826		32126		35.7		5.462		899			25.5					90			
Dew Point	868804		27320		30.4		6.554		899			57.0					90			

FORM 0-26-5 (OLA) REVISI PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-114 FAIRCHILD AFB WA 70-79 YEARS APR
STATION STATION NAME MONTH
PAGE 1 1900-1960
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
27/ 81													.1					1	1	
27/ 79												.1	.1					2	2	
27/ 75											.3							3	3	
27/ 71										.2								2	2	
26/ 67									.2									1	1	
26/ 65						.1	.2	.2	.3									3	3	
24/ 63					.2	.2	.6	.4	.1									14	14	
22/ 61					.1	.6	.6	.3										14	14	
21/ 59			.1	.2	1.0	.9	.1											21	21	
22/ 57				.2	.9	.8	.7											23	23	3
20/ 55			.1	.7	1.8	1.3	.3											38	38	8
24/ 53			.3	2.3	2.4	1.2	.6											66	66	8
22/ 51		.1	.6	1.1	2.7	.8	1.1											56	56	23
21/ 49			1.2	1.3	2.6	2.3	.4	.1										72	72	25
20/ 47		.3	1.2	3.8	2.7	2.7	1.1											103	103	46
26/ 45	.2	1.2	1.3	4.1	5.3	1.7	.7											130	130	77
24/ 43	.3	1.3	3.7	3.3	2.7	1.6	.2											112	112	102
22/ 41	.1	2.0	2.2	2.7	1.3	.6	.1											81	81	111
21/ 39	.1	2.1	1.9	2.0	1.3	.4												71	71	146
36/ 37	.1	.6	1.2	1.1	.4	.1												32	32	124
36/ 35	.6	.7	.7	1.7	.3													29	29	102
34/ 33		.4	.6															9	9	65
22/ 31		.3	.1	.2														6	6	29
21/ 29		.4																4	4	25
23/ 27																			5	97
26/ 25																			2	69
24/ 23																				33
22/ 21																				34
21/ 19																				25
18/ 17																				16
16/ 15																				13
14/ 13																				2
12/ 11																				4
11/ 9																				3
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1409

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

0900-1100
HOURS (11-5-1)

[illegible]

0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 12GU-1480
MOORE (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
1. / 15																					13				
- / 13																					6				
1. / 11																					7				
- / 9																					1				
1. / 7																					1				
TOTAL	.8	3.6	8.9	9.4	17.2	18.9	21.7	11.8	4.7	1.6	.4	.2	.3	.3	.2			970	950	900					
																		970	950	900					

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

76-79

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1 / 13																					4
1 / 11																					9
1 / 9																					6
TOTAL	1.4	7.7	13.2	16.7	18.2	17.7	11.2	8.0	2.3	1.8	.8	.4	.2	.2	.1			900	900	900	
Element (X)	Σ x'	Σ x	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	2815853	47485	52.8	18.584	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	2156068	43432	48.3	8.179	900		.9	2.8	.9	.3		90									
Wet Bulb	1488315	36251	40.3	5.597	900		6.9					90									
Dew Point	873493	27145	30.2	7.805	900		52.9					90									

FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

MONTH

2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 44

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

ALL

ALL
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

ALL

HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-79

YEARS

MAY

MON. H

PAGE 1 0000-0200
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

73-79

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

7300-0500

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

 MAY
MONTH

PAGE 1 0650-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 7900-1100
MCURS (U.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
1/3											.1							1	1																
1/7											.1							1	1																
72/77											.2	.2	.1					5	5																
76/75											.2	.2	.1					6	6																
47/75									.4	.9	.3	.2						12	13																
2/7							.2	.5	.9	.5		.1						25	25																
1/69						.2	.3	1.0	1.4	.4	.1	.1						43	40																
60/67					.3	.3	1.0	1.4	1.8	.2								32	32																
57/65				.3	.3	1.0	1.4	1.8	1.9	.6								54	54																
4/63				.4	.4	1.6	2.2	2.3	.6									62	62																
27/61				.4	.4	1.6	1.8	1.9	.2									54	54	3															
6/59				.4	.4	1.4	1.8	1.9	.4									54	54	2															
2/57		.1	.8	.9	2.1	2.5	1.9	.5										82	82	33															
50/55	.2	.1	.2	1.1	2.6	3.0	1.3	.5	.1									85	85	61 4															
47/53		.4	1.2	1.8	2.5	2.4	1.2	.4										92	92	69 10															
27/51	.2	.9	1.2	2.4	2.5	1.7	.9	.2										91	91	100 13															
57/49	.2	.8	1.8	1.6	2.9	1.2	.4											83	83	115 30															
52/47	.1	.9	1.1	1.8	1.3	.6	.1											55	55	125 37															
47/45	.1	1.9	.5	2.4	1.1	.4												60	60	138 91															
44/43	.1	.4	1.3	.2	.2	.1												22	22	97 101															
27/41		.2	.6	.4														11	11	35 101															
1/39		.1																1	1	59 95															
38/37	.1		.1															2	2	23 97															
34/36																				8 100															
34/33																				1 82															
32/31																				62															
3/29																				63															
28/27																				26															
28/25																				12															
24/23																				8															
22/23																				8															
2/19																				7															
TOTAL	1.1	5.6	2.2	3.0	1.4	17.0	16.5	11.6	6.2	2.7	1.0	.4						929	929	929															
Element (X)	Σx'		Σx		Σ																														

PSYCHROMETRIC SUMMARY

YEARS

42 Y
ACCTM

PAGE 1 1279-1400
NOV 5 11 5 11

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFB LEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

2-214 FAIRCHILD AFB WA

70-79

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
86/ 85															.4						4	4		
84/ 83														.4		.2					6	6		
82/ 81										.3		.9	.5	.5	.2						23	23		
80/ 79											.2	.8	.2								11	11		
78/ 77										.2	.6	.3	.1								12	12		
76/ 75									.2	1.1	1.3	.9	.4								36	36		
74/ 73							.1	.1	.5	2.0	1.3	.4	.2								44	44		
72/ 71								.5	1.4	.5	2.3	.6									50	50		
70/ 69						.1	.1	1.0	1.4	1.9	.8	.5									56	56		
68/ 67							.5	.9	1.6	1.3	.6	.3									50	50		
66/ 65							.8	2.5	2.3	1.4	.5										69	69		
64/ 63				.1	.3	.1	1.5	2.4	1.7	1.1											67	67	4	
62/ 61			.1	.2	.1	.3	1.7	1.6	2.5	.4	.1										66	66	4	
60/ 59			.2	.1	1.7	1.4	2.3	1.3	1.4	.1											72	72	27	
58/ 57		.1	.5	.6	1.3	1.1	2.2	2.2	.9												82	82	45	
56/ 55		.1	.1	.6	.9	3.1	2.3	.8	.2												75	75	85	1
54/ 53		.5	.6	1.7	1.2	1.8	1.8	.9	.3												73	73	79	7
52/ 51		.4	1.2	.4	.8	.9	1.7	.1													44	44	131	15
50/ 49		.3	.8	.4	.8	.3	.3														27	27	120	13
48/ 47		.2	.9	1.1	.8	.2															29	29	136	28
46/ 45			.8	.4	.3	.1															15	15	105	54
44/ 43		.2	.8	.2																	11	11	87	76
42/ 41		.3	.2																		5	5	58	68
40/ 39			.1																		1	1	35	101
38/ 37																							11	91
36/ 35																							1	113
34/ 33																								79
32/ 31																								73
30/ 29																								65
28/ 27																								62
26/ 25																								34
24/ 23																								24
22/ 21																								13
20/ 19																								3
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature												Total	
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM JUL 61 0-26-5 (OL A)

1118

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

 MAY
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2414 FAIRCHILD AFB WA 69-78 JUN
STATION STATION NAME YEARS MONTH
PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
71 / 71							.1	.3		.1								5	5						
70 / 69				.3		.3	.3			.1								10	10						
68 / 67					.1	.7	.7	.1	.1									9	9						
66 / 65			.1		.7	.7	.1	.1	.1									16	16						
64 / 63				.8	1.1	1.9	.3	.4	.1									39	39	3					
62 / 61		.1	1.3	1.6	1.4	1.3	.8	.1	.1									63	63	1	1				
60 / 59		.4	1.3	1.4	2.1	.6	.4	.6										62	62	12	2				
58 / 57		.8	1.2	2.8	2.7	1.7	.4	.1										81	81	50	9				
56 / 55		1.0	2.0	2.7	1.3	.6	.3											71	71	47	11				
54 / 53		2.8	3.1	3.1	2.6	.9												112	112	62	36				
52 / 51	.8	.7	2.2	2.3	1.3	.2												68	68	115	71				
50 / 49	.2	1.6	3.6	1.7	.7													69	69	88	58				
48 / 47		1.3	3.0	2.9	.4	.3												72	72	90	77				
46 / 45		3.9	6.7	2.3	.1													111	111	119	98				
44 / 43		1.3	3.0	1.3	.1													52	52	90	106				
42 / 41		1.3	1.8	.3	.1													32	32	86	85				
40 / 39		1.1	.2	.8														19	19	70	67				
38 / 37		.4	.6															9	9	27	90				
36 / 35																				16	83				
34 / 33																				4	51				
32 / 31																					32				
30 / 29																					9				
28 / 27																					10				
26 / 25																					4				
TOTAL	1.0	16.8	29.4	24.6	14.8	8.4	3.0	1.4	.3	.2								900	900	900	900				

1122
USAFETAC
FORM 84
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

20114 FAIRCHILD AFB WA

59-78

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					Dry Bulb	Wet Bulb	Dew Point
81 / 81																					1	1		
80 / 79																					2	2		
79 / 77																					3	3		
78 / 75																					8	8		
74 / 73																					13	10		
70 / 71																					26	26		
71 / 69																					32	32		
67 / 67																					44	44		
66 / 65																					49	49	1	
63 / 63																					66	66	8	
62 / 61																					57	67	23	
59 / 59																					70	70	50	5
58 / 57																					94	94	67	6
55 / 55																					87	87	78	39
54 / 53																					75	75	108	54
52 / 51																					70	70	124	61
51 / 49																					75	75	90	88
48 / 47																					59	59	97	80
46 / 45																					44	44	100	115
44 / 43																					12	12	80	109
42 / 41																					6	6	48	81
41 / 39																							18	79
38 / 37																							8	77
36 / 35																								52
34 / 33																								24
32 / 31																								15
31 / 29																								7
28 / 27																								6
26 / 25																								2
TOTAL	.6	7.4	19.8	20.3	20.3	15.9	8.8	4.1	1.4	1.0	.2	.1										900	900	900
																						900	900	
Element (X)	Σx²		Σx		x̄		s²		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	3788505		56913		63.2		14.519		900		≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	3023103		51731		57.4		7.686		900				12.6	2.4	.2		90							
Wet Bulb	2322836		45434		50.5		5.702		900								90							
Dew Point	1804399		39873		44.3		6.492		900			3.0					90							

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2-114 FAIRCHILD AFB WA

69-78

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

5900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					Dry Bulb	Wet Bulb	Dew Point			
8 / 81																					1	1					
8 / 89																					2	2					
86 / 87																					7	7					
86 / 85																					7	7					
84 / 83																					13	13					
8 / 81																					22	22					
8 / 79																					27	27					
76 / 77																					37	37					
76 / 75																					46	46					
74 / 73																					55	55					
72 / 71																					50	50					
7 / 69																					57	57					
68 / 67																					53	53					
66 / 65																					66	66					
64 / 63																					79	79					
62 / 61																					74	74					
5 / 59																					63	63					
56 / 57																					70	70					
56 / 55																					68	68					
54 / 53																					45	45					
52 / 51																					33	33					
5 / 49																					12	12					
48 / 47																					8	8					
46 / 45																					5	5					
44 / 43																											
42 / 41																											
4 / 39																											
38 / 37																											
36 / 35																											
34 / 33																											
32 / 31																											
3 / 29																											
28 / 27																											
26 / 25																											
Element (X)	ΣX^2				ΣX				\bar{X}				σ_x				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1123

PSYCHROMETRIC SUMMARY

JUN

YEARS

MONTH

0900-1100

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

JUN
MORTH

PAGE 1 12CG-1453
NOV 15 1963

[illegible]

REVISED EDITIONS OF THIS FORM ARE OBLIQUED

USAFETAC 100M 0.26:5 (01 A)

PSYCHROMETRIC SUMMARY

JUL
MONTH

123G-1453
MOORE (L. S. T.)

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 155G-1720
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
70 / 27																					26	
75 / 25																					10	
70 / 23																					4	
72 / 21																					4	
TOTAL		2.7	2.8	3.8	3.2	4.2	7.9	10.7	10.8	14.7	11.0	6.2	5.6	7.3	4.2	1.8	1.2	900	910	900	900	
		</																				

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

69-73

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 7

1830-2000

1000 EGS
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUN
MONTH

2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUL
MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
81 / 81									.1			.1						2	2					
80 / 79									.2	.1			.1					4	4					
79 / 77								.1	.2	.4	.3	.1						11	11					
78 / 75								.4	.1	.6	.3	.2						16	16					
77 / 73						.1	.6	.4	.3	1.1	.9	.1						33	33					
76 / 71			.1		.2	1.0	1.1	.5	2.0	1.5	.6	.1	.1					68	68					
75 / 69			.2	.1	.3	.1	1.1	1.9	1.9	1.1								65	65					
68 / 67		.1	.3	.2	1.1	1.1	1.2	2.7	2.3	.9	.5	.1						93	93	4				
66 / 65		.1	.4	.8	1.3	1.0	2.6	2.0	1.4	.1	.1							91	91	9				
64 / 60		.4	.8	1.0	1.1	2.4	2.6	2.8	.4	.2								108	108	24				
62 / 61		.4	.8	1.1	1.1	2.0	2.8	1.7	.1									85	85	26				
61 / 59		1.0	1.1	1.6	1.1	1.8	1.7	1.1	.1									88	88	53				
58 / 57		1.2	1.2	.6	1.5	1.9	1.6	.6										81	81	87				
56 / 55		1.2	.9	1.1	1.6	1.4	1.7											66	66	118				
54 / 53		.2	1.1	1.1	1.1	1.5	.2											47	47	148				
52 / 51		.3	1.1	.9	.8	.4	.1											33	33	138				
51 / 49		.1	.5	.3	.6	.2												17	17	126				
48 / 47			.4	.6														10	10	72				
46 / 45			.2	.6	.1													9	9	61				
44 / 43		.1		.1														2	2	42				
42 / 41		.2																1	1	14				
40 / 39																				6				
38 / 37																				2				
36 / 35																								
34 / 33																								
32 / 31																								
30 / 29																								
28 / 27																								
26 / 25																								
24 / 23																								
22 / 21																								
TOTAL		5.3	9.0	10.0	11.6	14.9	17.1	13.8	9.6	5.7	2.5	.4	.1						930		930			
																			930		930			

Element (X)	Σx^1	Σx	\bar{x}	σ_x	No. Obs.
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PSYCHROMETRIC SUMMARY

414
STATION

FAIRCHILD AFB WA

69-78

JUL

PAGE 1

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
64/ 87										.1		.1						2	2						
86/ 81								.1			.1							2	2						
87/ 79								.5	.1	.3	.2							11	11						
75/ 77						.1	.1	.4	.3	.4		.1						14	14						
76/ 75						.1	.5	.6	1.1	1.4	.4	.2						41	41						
74/ 73						.2	1.1	1.1	1.4	1.3	.3							50	50						
72/ 71				.1	.1	1.0	1.7	1.3	1.6	.4	.1							59	59						
77/ 69		.1	.1		.2	1.5	2.0	2.8	1.3	.4								74	74	1					
68/ 67		.2	.4	.3	1.3	1.9	1.8	2.5	.5									84	84	4					
66/ 66		.6	.1	.8	1.4	2.2	2.7	1.9	.5	.1								96	96	16					
64/ 63		.2	.4	1.4	2.2	2.1	2.6	.6	.5	.1								94	94	30					
62/ 61		.2	.6	1.5	1.6	2.6	2.7	.5										85	85	44					
57/ 59		.2	.9	1.2	3.2	1.8	1.2	.6										35	85	79					
56/ 57		.6	1.1	1.7	1.2	1.7	.9	.1										69	69	123					
50/ 55	1.2	1.2	2.3	1.7	1.3	.1												72	72	149					
54/ 53	.4	.5	1.7	1.1	.6													41	41	136					
52/ 51	.2	.9	1.2	.4														25	25	127					
57/ 49		.6	.3	.5	.1													15	15	82					
43/ 47	.1	.4	.2															7	7	72					
46/ 45		.1	.1															2	2	42					
44/ 43		.1																1	1	17					
42/ 41																				6					
40/ 39																				1					
36/ 37																									
36/ 35																									
34/ 33																									
32/ 31																									
30/ 29																									
28/ 27																									
TOTAL	4.3	7.5	12.8	15.7	16.7	16.8	13.2	7.4	4.6	1.2	.4							929		929					
																		929		929					
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.	2099873	50801	54.7	15.463	929	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	3832982	59296	63.6	7.192	929			33.7	12.0	.8		93													
Wet Bulb	2746082	50290	54.1	5.055	929			.5				93													
Dew Point	2020089	42875	46.2	6.673	929		2.0	.1				93													

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

69-78

YEARS

JUL
MONTH

PAGE 2

0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

PSYCHROMETRIC SUMMARY

24114 FAIRCHILD AFB WA 69-78 JUL
STATION STATION NAME YEARS MONTH
PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL																							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																									
2/101																	.1	1	1																										
10/99																	.1	1	1																										
98/97															.2	.3	.3	8	8																										
96/95														.3	.5	.1	.3	12	12																										
94/93													.3	.1	.6	.9	.8	25	25																										
97/9												.3	.2	.9	1.3	1.7	.9	49	49																										
7/89											.3	.3	.3	3.0	2.3	2.0	.5	82	82																										
88/87											.1	.1	1.3	2.7	2.4	.4		65	65																										
96/85											1.0	.9	2.0	1.7	1.5	.4		70	70																										
94/83										.2	.3	1.1	1.8	1.4	.1	.1		47	47																										
97/81										.9	.4	1.1	1.0	2.3	1.0	.2		63	63																										
8/79									.5	.5	.8	1.1	2.0	1.0	.6			61	61																										
78/77								.1	.6	1.3	1.1	.9	1.6	1.2	.1			64	64																										
76/75					.1		.2	1.0	.9	1.3	1.1	1.5	.4					60	60																										
74/73				.1		.2	.5	.9	1.4	1.1	1.3	.6						57	57																										
72/71			.1	.2		.2	.6	1.3	1.2	1.4	1.6							61	61	2																									
7/69					.1	.4	.6	.9	2.2	1.0	.4	.3						55	55	16																									
56/67				.1	.4	.3	.4	.6	1.3	.8	.1	.1						39	39	21	1																								
56/65		.1	.2	.2	.3	.4	.3	.4	1.1	.2								36	36	62	2																								
54/63			.3	.4	.4	1.0	.3	1.3	.1									36	36	103	1																								
62/51				.2	.1	.4	.4	.2										13	13	150	4																								
67/59			.3	.2	.1	.4	.2	.2	.1									15	15	163	7																								
58/57				.2				.1										3	3	113	33																								
56/55		.1					.1											2	2	96	36																								
54/53		.9																5	5	100	30																								
52/51																				59	49																								
57/49																				36	65																								
49/47																				5	82																								
46/45																				2	110																								
44/43																				2	76																								
42/41																					64																								
4/39																					106																								
38/37																					79																								
36/35																					78																								
Element (X)	Σx²		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ																						
Rel. Hum.																																													
Dry Bulb																																													
Wet Bulb																																													
Dew Point																																													
Mean No. of Hours with Temperature																																													
		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total																															

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

1230-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUL

YEARS

MONTH

1535-1700

2355 270
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

1500-1700

HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
WH 44
0-26-5 (OL A)
REVISEL PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2414 FAIRCHILD AFB WA

69-78

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31					Dry Bulb	Wet Bulb	Dew Point
99/99																.1					1	1		
98/97																	.1				1	1		
96/95																.1	.5				6	6		
94/93														.3	.2	.6	.2				13	13		
92/91												.2	.2	1.1	1.0	.4					27	27		
90/89										.1		.1	.3	.6	1.5	1.1	1.0				44	44		
88/87									.1	.1		.1	.6	1.7	1.9	1.2					54	54		
86/85										.1	.3	.5	1.4	1.3	1.5	.4					52	52		
84/83								.1	.3		.3	1.8	1.7	2.2	1.9	.2					71	71		
82/81								.1	.2	.6	1.3	2.0	2.2	1.2	.3						74	74		
80/79							.2	.3	.4	1.2	1.6	2.2	.8		.1						63	63		
78/77					.1		.6	1.0	1.2	1.3	2.4	1.5	.1	.1							77	77		
76/75				.1	.1	.3	.5	.8	1.5	1.6	1.3	.4	.1								63	63		
74/73				.1		.4	.3	.9	1.7	1.4	1.4	.9									59	59		
72/71			.1	.2	.6	.5	.2	1.1	1.8	1.9	1.2	.3									75	75	3	
70/69			.1	.2	.4	.4	.4	1.2	1.0	1.6	1.3	.3									65	65	8	
68/67				.3	.4	.5	.5	1.7	1.1	.3											38	38	18	3
66/65		.1	.1	.5	.2	.9	.4	1.1	1.4	.4											48	48	20	1
64/63			.2	.4	.3	.2	.4	.4	.8	.2											28	28	88	5
62/61		.1	.4		.6	.5	.8	.5	.2												30	30	119	5
60/59			.2	.2		.5	.2														11	11	155	15
58/57			.6	.2	.1	.3	.1														13	13	131	15
56/55		.3	.3		.4	.1	.1														12	12	134	39
54/53		.1	.2		.1																4	4	101	30
52/51						.1															1	1	71	38
50/49																							52	48
48/47																							25	62
46/45																							3	79
44/43																							2	90
42/41																								75
40/39																								92
38/37																								86
36/35																								86
34/33																								63
Element (X)	Σx²		Σx		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) JUL 64

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

02M

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
YEARS

JUL
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
92 / 91													.1		.1			2	2			
88 / 87											.1		.1					2	2			
86 / 85										.1	.2	.1		.2	.1			7	7			
84 / 83								.1		.1	.2	.2	.4	.2				12	12			
82 / 81									.2	.4	.8	1.6	.8	.1	.1			37	37			
8 / 79								.3	.2	.5	.5	1.1	.6	.1				32	32			
78 / 77								.3	.4	1.1	1.2	1.4	.4	.2				47	47			
76 / 75						.3	.3	.2	.6	2.2	2.7	1.1	.2	.1				72	72			
74 / 73			.1			.2	.8	.8	1.2	2.0	2.4	.8	.2					78	78			
72 / 71			.1	.2		.4	.6	.9	1.7	2.7	1.8	.2	.1					82	82			
7 / 69		.1	.1	.1	.3	.6	1.3	1.4	2.4	1.6	.7	.3						85	85	2		
68 / 67		.1	.6	.3	1.7	.9	1.1	1.8	1.8	.5	.2							78	78	7	2	
66 / 65		.2	.5	.4	.6	.9	1.1	2.3	1.7	.2	.3							77	77	19	2	
64 / 63		.1	1.0	.9	1.0	.8	1.6	1.6	1.4	.4								81	81	27	2	
62 / 61		.1	.1	1.3	.5	1.1	1.7	1.3	.5									56	56	45	14	
60 / 59		.9	.8	.4	.4	1.2	1.1	1.4										57	57	105	10	
58 / 57		.4	.6	1.1	.6	1.1	1.4	.1										50	50	123	32	
56 / 55		.6	.5	.8	.6	.8	.3	.1										35	35	122	31	
54 / 53		.5	.2	.1	.4	.6												18	18	155	41	
52 / 51		.1	.2	.5	.4													12	12	122	44	
5 / 49				.4	.1	.1												6	6	88	61	
48 / 47			.1	.1	.1													3	3	50	44	
46 / 45				.1														1	1	49	86	
44 / 43																				11	71	
42 / 41																				5	103	
4 / 39																					97	
38 / 37																					77	
36 / 35																					70	
34 / 33																					55	
32 / 31																					43	
30 / 29																					18	
28 / 27																					13	
26 / 25																					7	
24 / 23																					4	
Element (X)	Σ X ²			Σ X			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature						
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

6247 ~ ~ ~ ~ ~
USAFETAC FORM 0-26-5 (OL A)
JUL 64
REPLACES PREVIOUS EDITIONS OF THIS FORM AND COMPLETE

PSYCHROMETRIC SUMMARY

JUL
MONTH

ALL

HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OLA)

NO. 1

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

[illegible]

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

406

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

VIAS

AUG
MONTH

3030-0000
HOURS (1-5-1)

[illegible]

USAFETAC FORM 0.26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

4115

NOTES (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
91 / 91															.1	.3		4	4					
90 / 89														.1	.2	.5	.3	.1	12	12				
88 / 87											.1	.5	.5	.5	.2	.1		20	20					
86 / 85											.2	.6	.6	1.2	.2			27	27					
84 / 83										.3	.9	1.1	.9	.3	.1			35	35					
82 / 81									.3	.5	1.3	2.7	1.3	.4				59	59					
80 / 79								.3	.3	1.9	1.7	1.5	.8	.1				66	66					
78 / 77							.2	.6	1.4	1.3	1.5	1.2						66	66					
76 / 75						.5	1.1	2.2	1.9	2.3	.6							82	82					
74 / 73						.4	.4	2.5	1.4	1.9	.8	.2	.1					72	72					
72 / 71			.2			.6	1.4	1.6	2.9	1.0	.5	.1						74	74					
70 / 69			.1		.4	1.2	2.2	2.3	1.5	1.3	.2	.1						86	86					
68 / 67			.1		.5	.9	.9	1.7	1.0	.2	.1							51	51	3				
66 / 65				.4	.6	1.2	1.2	1.4	.9	.1								54	54	26				
64 / 63			.1	.2	1.5	1.5	1.5	1.2	.2									59	59	65				
62 / 61		.1	.4	1.3	2.2	1.2	1.1		.2									60	61	113				
60 / 59		.5	.4	1.1	1.1	.5	.3	.1										39	39	160				
58 / 57		.5	.6	.5	.4	.3												25	25	152				
56 / 55	.3	.6	.8	.4	.5													25	25	142				
54 / 53		.4	.3	.1														8	8	127				
52 / 51	.1	.1	.2	.1														5	5	97				
50 / 49																			1	34				
48 / 47																				18				
46 / 45																				2				
44 / 43																								
42 / 41																								
40 / 39																								
38 / 37																								
36 / 35																								
34 / 33																								
32 / 31																								
30 / 29																								
28 / 27																								
26 / 25																								
Element (X)	ΣX^2	ΣX	Σ	σ^2	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

0-26-5 (OLA)

FORM 4-1

USAFETAC

PSYCHROMETRIC SUMMARY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78

YEARS

AUG
MONTH

PAGE 2

1200-1400
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C-26-5 (OL A)

FORM 11

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24114 FAIRCHILD AFB WA 69-78 AUG
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
2/ 1																		.2	2	2			
1/ 99																		1.3	12	12			
96/ 97																		1.6	15	15			
96/ 95																.1	.3	2.0	23	23			
94/ 93																.2	1.7	1.8	35	35			
97/ 91															.2	1.6	2.5	1.1	50	50			
9 / 89												.1	.2	.4	1.6	2.8	.1	49	49				
98/ 87												.2	.4	3.1	2.3	1.1		66	66				
96/ 85											.2	.4	1.8	2.3	2.7	.8		70	70				
94/ 83								.1		.2	.8	1.2	1.5	1.9	.9			61	61				
92/ 81									.2	.9	1.1	1.7	2.4	3.8	.5			98	98				
8 / 79								.1	.3	.5	1.7	1.5	1.1	1.2				60	60				
78/ 77						.1	.1		1.0	1.2	1.4	1.6	1.1	.4				64	64				
76/ 75							.2	.4	1.3	1.2	1.0	.5	.2	.2				47	47				
74/ 73							.4	.9	.8	1.6	1.3	.1	.1					48	48				
72/ 71						.1	.4	.5	.8	1.8	.4	.3						41	41				
7 / 69					.3	.2	.5	.5	1.1	1.0	.1	.3						38	38		1		
68/ 67				.1	.3	.6	.6	1.7	.9	.4	.3							47	47		4		
66/ 65				.2	.5	.6	1.4	.9	.8	.1								42	42	36			
64/ 63				.3	.5	.1	.4	.3	.1									17	17	119			
62/ 61		.1	.3	.3	.1	.1	.4	.2										15	15	164	2		
6 / 59		.3	.8	.1														11	11	167	1		
58/ 57		.2	.1	.1														4	4	141	14		
56/ 55	.1		.5	.2														8	8	119	18		
54/ 53		.3	.2															5	5	103	25		
52/ 51			.1															1	1	45	51		
5 / 49																				27	62		
48/ 47																				3	64		
46/ 45																					97		
44/ 43																					86		
42/ 41																					86		
40/ 39																					115		
38/ 37																					104		
36/ 35																					63		
Element (X)	Σ x'		Σ x		Σ		Σ x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OLA) SERVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OL A)

FORM

USAFETAC

PSYCHROMETRIC SUMMARY

AUG

MONTH

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
98/ 97																	.3	3	3		
96/ 95																	.8	7	7		
94/ 93															.1	.8	.6	14	14		
92/ 91														.2	.3	.3	.3	11	11		
9 / 89													.1	.2	1.4	1.3	.1	29	29		
98/ 87													.1	1.1	1.8	.2	.2	32	32		
96/ 85											.5	1.0	2.7	1.1	.3			52	52		
94/ 83									.1	.1	.2	2.0	2.0	.5	.1			48	48		
92/ 81									.1		1.1	2.2	2.0	2.0	.4			73	73		
9 / 79									.2	.9	.6	1.8	1.7	.9	.2			59	59		
76/ 77								.2	.6	1.1	1.4	2.4	1.4	.3	.1			70	70		
76/ 75							.2	.6	.5	1.2	2.2	1.7	1.1	.2				72	72		
74/ 73						.1	.1	1.7	1.5	1.3	1.4	1.0	.2					68	68		
72/ 71					.1	.2	.8	1.4	1.3	1.0	2.0	.2						65	65		
7 / 69					.3	.4	.8	.9	1.9	1.3	.5	.5						62	62		
68/ 67				.2	.8	.3	.5	1.2	1.0	1.0	.2							48	48		
66/ 65				.2	.5	1.0	1.0	1.0	1.2	.3	.2							50	50	10	
64/ 63				.6	.2	.8	1.5	.9	.4	.3								44	44	49	
62/ 61		.1	.3	.4	.5	1.2	.5	.8		.1								37	37	95	
60/ 59		.1	.3	1.0	1.1	.5	.3											31	31	163	
58/ 57		.2	.9	.3	.4	.3	.1		.1									22	22	149	
56/ 55		.8	.4	.2	.3	.4												20	20	131	
54/ 53		.5	.2	.1														8	8	146	
52/ 51		.1	.3		.1													5	5	99	
5 / 49																				53	
48/ 47																				24	
46/ 45																				9	
44/ 43																				2	
42/ 41																					
40/ 39																					
38/ 37																					
36/ 35																					
34/ 33																					
32/ 31																					
Element (X)	ΣX^2	ΣX				\bar{X}	σ_x	No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

AUG

YEARS

MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

2100-2300
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24114 FAIRCHILD AFB WA

69-78

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
21/ 1																	.2	2	2					
20/ 09																	.2	14	14					
18/ 97																	.4	27	27					
16/ 95																.1	.5	44	44					
14/ 93														.0	.1	.4	.4	73	73					
12/ 91														.2	.4	.5	.3	101	101					
10/ 89												.0	.2	.3	.7	.7	.1	144	144					
8/ 87											.0	.1	.3	.8	.7	.3	.3	164	164					
6/ 85											.1	.3	.6	1.1	.6	.2		212	212					
4/ 83								.0	.0	.1	.3	.6	.9	.9	.2	.0		223	223					
2/ 81									.1	.4	.7	1.2	1.1	1.1	.2			346	346					
0/ 79							.0	.1	.3	.6	.8	.9	.8	.4	.3			288	288					
75/ 77						.7	.3	.1	.5	.8	1.2	1.2	.4	.1	.2			319	319					
76/ 75						.2	.5	.8	1.1	1.3	.7	.3	.1					368	368					
74/ 73			.0	.7	.1	.2	1.0	.9	1.3	1.0	.4	.1						379	379					
72/ 71			.0	.0	.2	.6	.9	1.4	1.3	.9	.3							421	421					
7/ 69		.0	.0	.3	.5	1.0	1.2	1.5	1.3	.3	.1							470	470	1				
65/ 67		.3	.1	.5	.8	1.2	1.4	1.0	.6	.3								429	429	15				
66/ 65		.0	.4	.9	1.1	1.7	1.9	1.4	.3	.1								559	559	120	1			
64/ 63	.1	.2	.9	1.1	1.3	1.4	1.3	.8	.2									537	537	354	2			
62/ 61	.1	.6	1.0	.9	1.4	1.3	.8	.3	.1									486	486	595	7			
60/ 59	.9	.5	1.0	1.2	1.1	1.0	.3	.1	.0									420	420	849	22			
58/ 57	.1	.5	1.0	1.0	1.0	.8	.5	.2	.0									372	372	963	121			
56/ 55	.1	.9	1.1	1.2	.9	.7	.2	.7	.0									376	376	998	213			
54/ 53	.0	.6	1.1	.8	.6	.2	.1	.1	.0									264	264	1052	309			
52/ 51	.1	.6	.9	.6	.5	.0	.1	.0										212	212	931	526			
50/ 49	.1	.3	.6	.2	.1	.1												99	100	690	602			
48/ 47	.1	.2	.2	.2	.0	.0												53	53	456	587			
46/ 45		.1	.1	.1	.0													24	24	245	845			
44/ 43		.1	.1	.0														11	11	97	753			
42/ 41		.0																1	1	47	751			
40/ 39																				19	685			
38/ 37																				6	547			
36/ 35																					507			
Element (X)	Σ X²		Σ X		X		Σ X		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) JAN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

69-78

YEARS

AUG
MONTH

PAGE 2

ALL

ALL
HOURS (L. S. T.)

USAFETAC FORM 0.26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1000-0200
NRMS (L-S-T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
89								.1	.3									4	4																
88							.5	.2	.1									6	6																
87						.2	.4	.1	.3	.1								11	11																
86		.1		.1	.9	.6	.6	.4	.1									25	25																
85	.2			.2	1.2	.7	1.2	.7	.6									45	45	3	3														
84		.3	.1	1.1	1.8	2.1	1.7	1.1	.1									68	63	2	2														
83			.4	1.7	1.8	2.2	2.2	2.4	.6	.2								103	103	3	1														
82			1.2	2.3	1.3	1.8	2.3	1.1	.3									95	95	28															
81		.3	.9	2.3	2.6	2.9	.8	.2	.1									91	91	66	15														
80	.1	1.9	2.2	3.1	1.1	.4	.9											87	87	85	18														
79	.6	3.2	1.9	1.7	1.8	.8	.6											88	88	119	55														
78	.7	1.3	2.8	2.7	1.6	1.3												93	93	134	90														
77	.1	2.6	2.3	1.7	2.3	.3	.1											85	85	136	76														
76	.3	.9	.6	.9	.6	.3												32	32	96	73														
75	.1	.7	.6	.7	.6	.2												25	25	77	98														
74		1.7	.6	.7	.1	.3												24	24	60	79														
73		.4	.4	.1	.3	.1												13	13	40	79														
72		.1		.1														2	2	25	65														
71		.3																3	3	13	58														
70																				6	62														
69																				7	32														
68																					37														
67																					25														
66																					15														
65																																			
64																					1														
63																					6														
62																					3														
61																					4														
60																					2														
59																					1														
TOTAL	2.4	15.4	17.6	17.9	19.0	13.0	8.9	3.7	2.0	.1								900	900	900	900														
																		900		900															
Element (X)	Σx²		Σx		Σ		Σ²		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	3929956		57208		63.6		18.070		900		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb	2500634		47070		52.3		6.576		900						1.0								90												
Wet Bulb	1928946		41366		46.7		5.548		900				1.3										90												
Dew Point	1443498		35324		39.2		7.967		900				18.6										90												

PSYCHROMETRIC SUMMARY

YEARS

SEP
MON

PAGE 1 0300-0500
0003 (1-3-1)

[illegible]

PSYCHROMETRIC SUMMARY

2-14 FAIRCHILD AFB NA

59-73

SEP

PAGE 1 2600-0800
10025 (1-3-71)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
7 / 71								.1										1	1															
7 / 69								.1										1	1															
66 / 67					.1	.4	.3	.3										11	11															
66 / 65					.2	.3	.1											6	6															
64 / 63		.1		.4	.2	1.1	.6	.4										26	26															
62 / 61		.1	.1	.6	.7	.8	.7	.1										27	27	2														
59 / 59		.3	.1	1.2	1.6	1.6	.9	.3										56	56	4	3													
58 / 57		.4	1.6	2.7	1.9	1.8	.1	.2										77	77	12	1													
54 / 55	.3	1.3	1.7	2.2	2.7	1.6	.4	.1										87	87	35	8													
54 / 53		1.6	3.3	1.9	1.9	.9	.6											90	90	61	14													
52 / 51		2.6	3.8	2.7	2.2	.4	.2											107	107	89	37													
51 / 49	.3	3.9	3.3	2.3	1.1	.4	.2											105	105	120	59													
46 / 47	.3	2.2	3.7	1.4	1.3	.8												92	92	135	103													
45 / 45	.3	3.2	2.8	1.2	1.1	.1												79	79	115	105													
44 / 43	.6	1.4	1.7	.7	.9													47	47	116	86													
42 / 41	.2	.7	1.3	.7	.3	.1	.1											28	28	67	86													
41 / 39		1.1	.6	1.1		.2												26	26	45	105													
38 / 37	.1	.3	.4	.4		.2												15	15	38	72													
36 / 35	.1	.4	.2	.3														10	10	25	64													
34 / 33		.3																3	3	16	43													
32 / 31		.3																3	3	8	22													
31 / 29		.1																1	1	8	30													
25 / 27																				2	37													
26 / 25																					14													
24 / 23																					4													
22 / 21																					6													
21 / 19																					1													
18 / 17																					1													
14 / 13																					3													
12 / 11																					1													
11 / 9																					2													
TOTAL	2.920	9.23	9.19	8.15	5.11	0	4.2	1.5										898	898	898	898													
Element (X)	X'	X	X	X	X	No. Obs.	Mean No. of Hours with Temperature																											
Rel. Hum.	4529668	62088	69.1	16.251	898	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																						
Dry Bulb	2403891	46061	51.3	6.785	898			.4	1.3				90																					
Wet Bulb	1939762	41408	46.1	5.823	898			1.6					90																					
Dew Point	1544750	36628	40.8	7.522	898			12.1					90																					

PSYCHROMETRIC SUMMARY

24114	FAIRCHILD AFB WA
STATION	STATION NAME

69-78

YEARS

SEP
MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

69-78

SEP
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24114 FAIRCHILD AFB WA

69-78

SEP
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.R.W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
89														.2				2	2						
88													.2	.2	.2			6	6						
85												.1	.3	.1				5	5						
84											.7	.4	.6	.1				16	16						
81										.2	.1	.8	.4	1.0				23	23						
79									.1	.6	1.3	1.1	1.3	.6				45	45						
77								.2	.6	.4	1.8	1.1	.6	.4				46	46						
76								.2	.8	2.1	2.1	1.3	.4					63	63						
74								1.7	2.1	1.4	1.9	.2	.2					68	68						
72						.2	.4	1.1	1.6	1.8	1.3	.3						61	61						
69				.2	.1	.1	1.2	1.4	1.7	1.0	.7	.2						60	60						
67			.1			.8	1.2	2.0	1.0	1.0	.9	.2						65	65						
65					.1	.9	2.0	1.1	1.4	1.6	.2							66	66						
64			.1	.3	.2	1.7	1.1	1.0	1.7	2.2	.2							77	77	22	1				
63			.1	.1	.6	.8	1.4	1.3	2.1	1.0								66	66	32	2				
59		.2	.6	.6	.2	.9	.2	1.3	.4									49	49	70					
57		.4	.4	.4	1.1	1.4	.4	.9	.4									50	50	100					
56		.6	.4	1.0	.8	.8	.3	.2	.4									41	41	134	9				
53		.4	1.2	.3	.4	.1	.3	.2	.4									32	32	138	23				
51		.3	1.1	.7	.3	.9	.2	.1										33	33	74	37				
49	.2	.8	.1		.3	.1		.3										17	17	117	57				
47		.4			.1		.1											6	6	79	57				
45				.1														1	1	75	104				
43			.2															2	2	23	86				
41																				20	88				
39																				8	67				
37																					5	62			
35																					3	68			
33																						47			
31																						39			
29																						39			
27																						44			
25																						29			
23																						13			
Element (X)	Σx^2		Σx		\bar{x}		s_x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

6159

PSYCHROMETRIC SUMMARY

YEARS

1200-1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

20114 FAIRCHILD AFB WA 69-78 SEP
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point				
59 / 59															.8	.2		9	9						
58 / 87														.4	.3	.1		8	8						
56 / 85												.2	.2	.1				5	5						
54 / 83											.2	.7	1.1	.2	.1			21	21						
52 / 31										.2	.1	1.7	1.0	1.6	.1			42	42						
5 / 79										.6	1.3	3.8	.3	.9				62	62						
78 / 77										.8	1.3	1.7	1.7	.7				55	55						
76 / 75								.1	.2	.9	1.2	2.3	.8					50	50						
74 / 73							.1	1.3	.9	1.6	1.8	.9	.1					60	60						
72 / 71							.3	.7	1.0	1.6	2.2	.4	.1					57	57						
69 / 69			.1	.1			.8	1.2	1.3	1.6	1.0	.4						59	59						
68 / 67			.1			.3	.6	1.9	1.2	1.3	1.0							58	58						
66 / 65						.2	1.6	1.4	.9	1.7	1.1							62	62	3					
64 / 63				.4	.1	1.0	1.2	1.6	1.1	3.1	1.0							86	86	12	3				
62 / 62		.2	.1	.6	.4	.3	1.3	1.0	2.3	.4								61	61	29					
60 / 59		.1	.6	.2	.6	.8	.9	1.1	.3	.1								42	42	83					
58 / 57		.2	.7	.6	.8	1.1	.1	.3	.4	.2								40	40	92	2				
56 / 55		.2	.3	.4	1.1	.6	.8	.2	.6									38	38	97	6				
54 / 53		.2	1.4	.4	.3	.6	.1	.1	.4									33	33	163	17				
52 / 51		.4	.7	.2	.3	.7	.4	.2										27	27	95	21				
50 / 49	.3	.9	.3			.3	.1											18	18	112	46				
48 / 47	.1				.1		.2											5	5	81	40				
46 / 45				.2														2	2	70	80				
44 / 43																				26	79				
42 / 41																				19	93				
40 / 39																				9	80				
38 / 37																				6	68				
36 / 35																				3	61				
34 / 33																					64				
32 / 31																					61				
30 / 29																					42				
28 / 27																					50				
26 / 25																					32				
24 / 23																					15				
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OLA) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

6160

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
.2 / 21																					20	
1 / 19																					8	
15 / 17																					5	
16 / 15																					4	
14 / 13																					2	
1 / 9																					1	
TOTAL	.14	2.3	4.3	3.3	3.8	5.9	8.4	11.3	10.8	14.0	12.3	12.1	5.3	3.9	1.3	.3		900	930	900	900	

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
- / 89															.1			1	1				
86/ 85													.1	.1	.1			3	3				
84/ 83												.1	.2					3	3				
82/ 81												.4	.1	.1				6	6				
8 / 79										.1	.4	.3		.2				10	10				
78/ 77										.2	.8	.8	.2	.2				20	20				
76/ 75									.4	.3	1.3	.2	.2	.1				24	24				
74/ 73								.3	.6	1.7	1.1	.9	.4					45	45				
72/ 71							.2	.3	1.2	.9	1.8	.2						42	42				
7 / 69							.7	1.4	2.0	1.9	1.0	.1						64	64				
68/ 67			.1			.3	1.1	1.6	1.8	1.2	.7	.1						62	62				
66/ 65		.1			.3	.7	1.0	1.6	1.7	1.2	.3							62	62	1			
64/ 63		.1		.1	.4	1.9	1.4	1.7	1.4	1.3								76	76	2	3		
62/ 61			.3	.3	1.2	1.7	1.4	1.3	1.0	.7								79	79	7			
60/ 59		.3	.3	.2	1.1	1.6	1.3	1.8	1.1	.3								73	73	24			
58/ 57		.3	.9	1.0	1.3	.9	1.6	1.4	.7									73	73	59	1		
56/ 55		.3	1.2	1.1	1.2	1.0	1.1	1.2	.2									66	66	88	8		
54/ 53		.4	.9	.9	1.3	1.0	.7	.6										52	52	121	10		
52/ 51		.8	1.1	1.3	.4	.9	.1	.3										45	45	139	21		
50/ 49	.3	1.1	.8	.2	.8	.2	.7	.2										39	39	110	38		
48/ 47	.6	.8	.1	.7	.4	.1	.3											27	27	108	56		
46/ 45	.1	.4		.8	.2		.2											16	16	97	91		
44/ 43		.1		.3	.1													5	5	59	88		
42/ 41			.3		.2													5	5	41	87		
4 / 39			.2															2	2	19	66		
36/ 37																				15	62		
36/ 35																				7	69		
34/ 33																				3	61		
32/ 31																					67		
3 / 29																					41		
28/ 27																					52		
26/ 25																					25		
24/ 23																					16		
22/ 21																					19		
Element (X)	ΣX ²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature												
Ref. Num.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

PSYCHROMETRIC SUMMARY

SEP
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

24114	FAIRCHILD AFB WA
STATION	STATION NAME

69-73

YEARS

SEP
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

SEP

YEARS

MONTH

2100-2300

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

SEP

MS4TH

ALL

HOURS (L. S. - T.)

[illegible]

PSYCHROMETRIC SUMMARY

SEP

YEARS

MONTH

ALL

ALL
HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24114 FAIRCHILD AFB WA
STATION STATION NAME

69-78
YEARS

OCT
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
56/ 55							.1	.1										2	2						
54/ 63						.2												2	2						
52/ 61					.1	.2												3	3						
50/ 59				.1	.1	.1	.1											4	4						
55/ 57					.1	.1	.1											3	3						
50/ 55			.1	.2	.3	.5	.2	.3										19	19	1					
54/ 53		.1	.2	1.1	.3	.2	.2											24	24	4					
52/ 51	.2	.5	.6	.6	.2	.2												24	24	9	5				
50/ 49	.1	.5	2.4	1.4	1.1	.1												52	52	18	2				
48/ 47	.4	1.5	4.4	2.2	.3													52	82	41	14				
46/ 45	.6	3.3	3.2	2.2	1.1	.3	.1											98	98	63	33				
44/ 43	.5	4.1	3.6	3.3	.6	.4	.1											120	120	113	54				
42/ 41	1.7	4.6	4.1	3.2	.8	.4												131	131	102	67				
40/ 39	.6	4.5	3.4	2.3	.9	.3												112	112	111	68				
38/ 37	.5	2.5	3.7	.6	1.1	.2												79	79	119	97				
36/ 35	.3	2.7	2.5	1.2	.5													67	67	97	87				
34/ 33	.6	2.3	1.3	.4	.8													50	50	96	75				
32/ 31	.4	1.1	1.0	.1														23	23	65	86				
30/ 29	.5	.5	.5	.2														17	17	44	95				
28/ 27	.2	.8	.2	.1														12	12	24	76				
26/ 25		.1		.1														2	2	13	36				
24/ 23				.1														1	1	4	26				
22/ 21			.2															2	2	1	24				
20/ 19																				2	22				
18/ 17			.1															1	1	2	9				
16/ 15																				1	11				
14/ 13																					7				
12/ 11																					7				
10/ 9																					4				
8/ 7																					1				
6/ 5																					1				
4/ 3																					2				
2/ 1																					1				
Element (X)	ΣX ²		ΣX		X		°X		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

6164
USAFETAC FORM 0-26-5 (OL A)
FORM 0-26-5 (OL A)
REPLACES PREVIOUS EDITIONS OF THIS FORM AND ORIGIN

PSYCHROMETRIC SUMMARY

69-78

OCT

STATION

STATION NAME

YEARS

SECRET

PAGE 2

6325-5200

1971-72 (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

27114 FAIRCHILD AFB WA

69-78

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
59 / 59					.3													2	2				
58 / 57			.1		.1	.1												3	3				
56 / 55		.2		.3	.2		.1											8	8				
54 / 53			.1	.2	.3	.1	.3											10	10	4			
52 / 51		.3	1.3	.5	.4		.1											25	25	1	2		
50 / 49	.2	.4	1.3	.6	.5	.4												33	33	12	5		
48 / 47	.2	1.8	3.3	.6	.3	.4												60	60	33	7		
46 / 45	1.	3.2	3.4	1.1	.2													83	83	51	37		
44 / 43	.3	4.5	2.6	1.7	.4													89	89	79	46		
42 / 41	.6	5.7	4.1	1.5	.9													119	119	107	56		
40 / 39	1.4	7.7	3.1	1.5	.6													134	134	113	81		
38 / 37	1.5	3.3	4.3	.5	.1													88	88	127	106		
36 / 35	.8	5.3	3.7	.5	.9													97	97	84	111		
34 / 33	.9	3.4	2.4	1.1	.3													75	75	114	70		
32 / 31	1.1	2.4	1.5	.3														49	49	72	94		
30 / 29	.9	.8	.3	.3														21	21	58	79		
28 / 27	.4	.6	.6	.1														17	17	39	80		
26 / 25	.2	.5	.1	.1														9	9	17	43		
24 / 23	.2																	2	2	12	26		
22 / 21			.3															3	3		31		
20 / 19		.1	.2															3	3	1	16		
18 / 17																				4	10		
16 / 15																				2	11		
14 / 13																					5		
12 / 11																					5		
10 / 9																					3		
8 / 7																					3		
6 / 3																					3		
TOTAL	9.7	40.1	31.8	11.2	5.6	1.1	.5											930	930	930	930		
Element (X)	Σx ²		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Mean No. of Hours with Temperature				
Rel. Hum.	5825092		72344		77.8		14.581		930		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb	1526110		37198		40.0		6.418		930				10.4										93
Wet Bulb	1315834		34526		37.1		6.055		930				20.5										93
Dew Point	1079144		30854		33.2		7.731		930				40.9										93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

24114
STATIO

FAIRCHILD AFB WA

69-78

OCT

PAGE 1

0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
52/ 64								.1										1	1					
51/ 59					.1													1	1					
50/ 57					.2	.2												4	4					
50/ 55		.2	.2	.5	.3	.1												13	13					
44/ 53			.1	.3	.6	.1												11	11	2				
42/ 51		.4	1.1	.5	.8	.1												27	27	5	2			
5 / 49	.1	.5	2.7	.8														32	32	15	4			
46/ 47	.1	1.7	1.9	1.5	.6	.2	.1											58	58	33	11			
45/ 45	.8	4.9	3.8	1.3	.9	.2	.1											111	111	64	33			
44/ 43	.3	4.1	2.7	1.3	.2	.2												82	82	81	50			
42/ 41	.2	6.6	3.0	1.2	.8													109	109	110	61			
4 / 39	1.5	7.5	3.1	1.2	.8													131	131	115	102			
38/ 37	1.2	3.9	2.9	1.7	.4													87	87	116	118			
36/ 35	1.1	5.1	1.5	.9	.4													83	83	99	86			
34/ 33	.8	4.7	1.5	.5	.1													71	71	97	91			
32/ 31	1.2	2.7	1.3	.6														51	51	72	91			
3 / 29	.9	1.7	.3	.4														24	24	51	82			
28/ 27	.3	1.1	.3															16	16	34	47			
26/ 25	.3	.2		.3														8	8	18	50			
24/ 23	.2	.1																3	3	8	27			
22/ 21		.2	.1															3	3	1	24			
2 / 19	.1	.3																4	4	5	11			
18/ 17																				4	14			
16/ 15																					6			
14/ 13																					2			
12/ 11																					10			
10/ 9																					5			
8/ 3																					1			
2/ 1																					2			
TOTAL	9.0	45.3	25.6	12.4	6.2	1.2	.2	.1											930		930			
																		930		930				
Element (X)	Σ x ²	Σ x		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature																
Rel. Hum.	5923222	72946		78.4	14.731	930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		93								
Dry Bulb	1552099	37491		40.3	6.621	930			10.9							93								
Wet Bulb	1340813	34851		37.5	6.120	930			19.3							93								
Dew Point	1109323	31321		33.7	7.658	930			37.2							93								

PSYCHROMETRIC SUMMARY

OCT
MONTH

0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
74/ 73											.1							1	1					
72/ 71									.1	.1								2	2					
70/ 69							.1	.2	.1	.1								5	5					
68/ 67							.1	.2	.1	.2								6	6					
66/ 65							.1	.4		.1								6	6					
64/ 63			.1		.1	.8	1.0	.1	.1									20	20					
62/ 61					.5	.6	.4											15	15					
60/ 59			.1		1.5	1.4	.6	.4										38	38	1				
58/ 57				.3	1.4	.3	.4	.1	.2									26	26	3				
56/ 55		.1	.6	1.3	2.4	1.2	.4	.3										59	59	7				
54/ 53		.3	.6	2.3	2.4	1.9	.6	.4										80	80	29				
52/ 51		.6	1.1	2.8	2.3	.9	.9	.3										82	82	46				
50/ 49		.8	3.4	2.7	2.3	1.6	.4											104	104	59				
48/ 47	.1	1.6	4.1	3.3	1.2	1.3	.1											109	109	92				
46/ 45		2.7	2.3	3.1	1.8	.5	.5											102	102	124				
44/ 43	.3	1.6	1.5	2.3	.4	.9	.3											68	68	128				
42/ 41	.2	2.7	2.2	1.6	.3	.3	.2											64	64	108				
40/ 39	.4	2.3	2.0	.8	.5	.3												59	59	104				
38/ 37	.5	1.5	.9	.4														31	31	94				
36/ 35	.3	1.1	.4		.1													18	18	53				
34/ 33	.6	.3	.2	.2														13	13	44				
32/ 31	.6				.1													7	7	24				
30/ 29	.3		.2	.2	.1													8	8	9				
28/ 27		.1		.2	.1													4	4	3				
26/ 25	.1	.2																3	3	6				
24/ 23																				3				
22/ 21																				4				
20/ 19																								
18/ 17																								
16/ 15																								
14/ 13																								
12/ 11																								
10/ 9																								
8/ 5																								
Element (X)	Σ X ²			Σ X		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature												
Ref. Num.												≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

69-78

YEARS

OCT

MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
6 / 79										.1		.3						4	4					
74 / 77									.2	.2		.2						6	6					
76 / 75									.4	.1	.3							10	10					
74 / 73								.1	.5	.1	.1							8	8					
72 / 71								.2	.5	.1	.9							16	16					
7 / 69					.1		.2	.6	.6		.2	.1						18	18					
68 / 67							.6	1.5	.5		.1							26	26					
66 / 65							1.7	.8	.5	.2	.1							31	31					
64 / 63					.3	1.3	.9	1.4	.9									44	44	1				
62 / 61				.1		1.9	1.5	1.3	1.1	.5								60	60	1				
6 / 59			.1	.1	.9	1.5	2.5	1.0	.5	.1								62	62	7				
58 / 57			.2	.2	1.4	2.0	.6	1.3	.4									58	58	17	1			
56 / 55		.3	.6	1.1	1.8	3.7	2.4	1.4	.4									103	103	35				
54 / 53		.2	.5	1.8	2.4	2.2	2.4	1.2	.2									101	101	62	1			
52 / 51		.2	.9	2.0	1.7	1.9	1.8	.8										87	87	69	5			
50 / 49		.8	.6	1.4	2.8	1.5	1.2	.6										83	83	76	10			
48 / 47		1.7	1.5	1.1	1.8	.3	.2	.1										63	63	126	30			
46 / 45		.5	1.3	1.1	1.3	.2	.5	.1										48	48	122	66			
44 / 43		.5	1.7	.9	.4	.3	.3											32	32	108	84			
42 / 41		1.4	.4	.1	.1	.1												20	20	108	94			
4 / 39	.3	.6	.3	.1	.1													14	14	93	68			
38 / 37		.4	.2			.2												8	8	39	83			
36 / 35		1.1				.1												11	11	23	97			
34 / 33		.4		.2	.3	.2												11	11	23	85			
32 / 31	.1		.1			.1												3	3	5	69			
3 / 29																					58			
28 / 27		.3																3	3	6	45			
26 / 25																				8	36			
24 / 23																				1	21			
22 / 21																					26			
2 / 19																					13			
18 / 17																					6			
16 / 15																					9			
14 / 13																					7			
Element (X)	Σ X ²			Σ X			X̄			σ _X			No. Obs.			Mean No. of Hours with Temperature								
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC
FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

59-78

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 2 1200-1400

1200-1400

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24114 FAIRCHILD AFB WA

69-78

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					Dry Bulb	Wet Bulb	Dew Point
81 / 81											.2	.2									4	4		
79 / 79										.1	.1	.1	.2								5	5		
78 / 77									.2		.2	.2									6	6		
76 / 75											.4	.3	.1								8	8		
74 / 73									.5	.2	.1	.1									9	9		
72 / 71									.5	.4	.8	.1									18	18		
71 / 69							.1	.8	.4	.1	.2	.1									16	16		
68 / 67							.3	1.3	1.4	.4	.3										35	35		
66 / 65						.1	1.1	.9	.5	.2											26	26		
64 / 63						.4	.8	1.4	1.1	.3	.3										40	40		
62 / 61				.1	.3	2.4	1.7	1.4	1.0	.2	.1										67	67	5	
61 / 59				.2	.6	1.4	1.7	1.8	.4	.2											60	60	3	
58 / 57		.1	.3	.2	1.1	1.6	1.6	1.0	.9	.3											65	65	15	
56 / 55		.2	.1	1.1	1.8	3.1	1.7	2.2	1.0												99	99	26	
54 / 53		.5	.2	1.3	2.4	1.8	2.4	1.7	.2												98	98	55	3
52 / 51		.5	.8	1.6	1.5	1.7	1.4	1.7													79	79	81	6
51 / 49		.8	1.3	.6	1.8	1.4	1.1	.6	.2												70	70	90	12
49 / 47		.8	1.8	1.0	2.3	.9	.2														62	62	104	15
46 / 45		.9	1.4	1.4	1.2	.6	.4														55	55	122	44
44 / 43	.2	.9	.3	.6	.4	.1	.2														25	25	96	72
42 / 41	.1	1.4	.1	.8		.2															24	24	124	68
41 / 39		1.2	.9	.1	.2																22	22	91	79
38 / 37		1.1	.1	.2	.1	.2															16	16	45	87
36 / 35		.6				.2															8	8	34	107
34 / 33	.1	.1			.2	.3															7	7	18	62
32 / 31			.1																		1	1	6	80
31 / 29		.1	.4																		5	5		64
28 / 27																							9	45
26 / 25																							6	39
24 / 23																								36
22 / 21																								28
21 / 19																								19
18 / 17																								5
16 / 15																								14
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.													≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F					Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64

REPLACES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

6268

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1114 FAIRCHILD AFB WA
STATION STATION NAME

69-78

YEARS

OCT

MONTH

PAGE 1

1890-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
78/ 75										.1								1	1						
74/ 73								.1		.2								3	3						
72/ 71									.1	.3	.1	.1						3	3						
70/ 69							.1	.1	.3									5	5						
68/ 67								.1	.1	.2								4	4						
66/ 65						.1	.2	.4	.2									9	9						
64/ 63					.1	.9	.6	.2										17	17						
62/ 61					.1	.5	.9	.4	.3									21	21						
60/ 59					.5	.8	1.1	.4	.1									26	26		1				
58/ 57			.2	.3	.9	1.2	1.1	.4	.1	.1								39	39		4				
56/ 55		.1	.2	.4	1.5	2.7	.9	.3	.1									52	52		4				
54/ 53	.1	.3	.4	1.4	3.1	1.7	1.1	.5	.3									83	83	22	1				
52/ 51		1.3	1.7	2.2	2.7	1.3	.8	.5										90	90	40	7				
50/ 49		.6	2.8	1.6	2.5	1.7	.9	.3										97	97	48	15				
48/ 47	.2	1.1	3.9	2.5	2.4	2.2	.5	.3										121	121	86	15				
46/ 45	.1	2.7	1.8	1.8	2.3	.9	.8	.1										91	91	116	29				
44/ 43		1.6	1.3	2.6	.9	1.3	.2											75	75	126	63				
42/ 41	.3	1.4	1.3	1.4	.6	.4	.1											53	53	113	81				
40/ 39	.3	2.2	2.0	.8	.4	.2												55	55	100	96				
38/ 37		1.4	1.3	.4	.1													30	30	94	78				
36/ 35		1.3	.3	.4	.3													22	22	76	102				
34/ 33	.1	.5	.3	.1	.2	.2												14	14	47	74				
32/ 31	.1	.6	.1	.3														11	11	21	69				
30/ 29		.1	.3		.2													6	6	14	80				
28/ 27				.1														1	1	9	58				
26/ 25				.1														1	1	5	42				
24/ 23																				1	30				
22/ 21																				2	21				
20/ 19																				1	18				
18/ 17																					12				
16/ 15																					11				
14/ 13																					8				
12/ 11																					9				
10/ 9																					3				
Element (X)	ΣX ²	ΣX		X	σ _x	No. Obs.		Mean No. of Hours with Temperature																	
Ref. Num.								≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OLA) 0-26-5 (OLA) 0-26-5 (OLA)

6169

PSYCHROMETRIC SUMMARY

GCT

YEARS

MONTH

1800-2000

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFB WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

0014 FAIRCHILD AFB WA
STATION STATION NAME

69-78
YEARS

OCT
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
75/ 75										.1								1	1			
67/ 67							.1											1	1			
65/ 65							.1											1	1			
63/ 63					.2		.3	.1										6	6			
61/ 61						.3	.2	.1										6	6			
59/ 59				.1	.2	.5	.1											9	9			
57/ 57				.2	.6	.8	.2	.2	.1									18	18	1		
55/ 55				.6	.8	.9	.3	.3										27	27	3		
53/ 53		.2	.6	.6	1.1	.8	.3	.1										35	35	2		
51/ 51	.5	.8	.8	1.4	1.3	1.1												53	53	24	7	
49/ 49	.1	1.2	2.6	2.6	1.4	.8	.1	.1										82	82	33	7	
47/ 47	.2	1.4	3.3	3.1	2.2	.9	.4	.1										111	111	44	14	
45/ 45	.6	2.4	3.4	3.7	2.5	.2	.2											121	121	96	32	
43/ 43	.2	3.1	2.2	2.9	.8	.4	.3											91	91	107	47	
41/ 41	.3	2.8	2.7	2.8	2.1	.8												106	106	120	77	
39/ 39	.6	2.1	2.6	2.2	2.1	.2	.1											92	92	104	104	
37/ 37	.4	1.3	2.7	.6	1.1													56	56	108	63	
35/ 35	.1	3.1	1.2	.2	.4													47	47	86	96	
33/ 33	.1	1.4	.9	.4	.4													30	30	94	65	
31/ 31	.5	.5	.2															12	12	50	115	
29/ 29	.1	.5	.3	.4	.2													19	19	24	71	
27/ 27	.1	.1			.1													3	3	18	66	
25/ 25																				7	47	
23/ 23			.1															1	1	4	28	
21/ 21			.1															1	1	2	16	
19/ 19			.1															1	1	1	21	
17/ 17																				1	11	
15/ 15																				1	19	
13/ 13																					8	
11/ 11																					7	
9/ 9																					2	
7/ 7																					3	
5/ 5																					1	
3/ 3																					3	
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

6170

LOCAL CLIMATOLOGY BRANCH
REFETAC
AFW WEATHER SERVICE/MAC
ROCHILD AFB

YEARS

PAGE 7

OCT
MONTH

2100-2300
HOURS (L. S. T.)

.14
STATION

FAIRCHILD AFB #4
STATION

STATION NAME

[illegible]

known relations of this form are obsolete

FORM 0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 1

ALL
NO: 85-1-S-T-1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
75 / 55																			4	4												
75 / 75																			9	9												
72 / 77																			12	12												
71 / 75																			23	23												
70 / 73																			21	21												
70 / 71																			39	39												
70 / 69																			44	44												
68 / 67																			72	72												
66 / 65																			75	75												
64 / 62																			129	129	1											
62 / 61																			173	173	6											
61 / 59																			252	252	12											
58 / 57																			216	216	40	2										
56 / 55																			385	385	76											
54 / 53																			442	442	180	6										
52 / 51																			467	467	275	40										
51 / 49																			553	553	351	64										
48 / 47																			666	666	549	129										
46 / 45																			709	709	758	333										
44 / 43																			532	532	838	505										
42 / 41																			626	626	892	610										
41 / 39																			619	619	831	726										
35 / 37																			395	395	742	726										
36 / 35																			353	353	552	776										
34 / 33																			271	271	533	599										
32 / 32																			157	157	315	688										
31 / 29																			100	100	199	588										
28 / 27																			56	56	142	458										
26 / 25																			23	23	80	323										
24 / 23																			7	7	33	209										
22 / 21																			9	9	10	186										
21 / 19																			8	8	10	128										
19 / 17																			1	1	11	78										
16 /																																

PSYCHROMETRIC SUMMARY

OCT

YEARS

MONTH

ALL

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALP WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2014 FAIRCHILD AFB WA
STATION LOCATION NAME

69-78
YEARS

NOV
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
2/ 51		.2	.2	.1	.1													6	6			
5 / 49	.1	.2	.4	.4	.1													12	12	4	4	
48/ 47		.1	.7	.7	.2													15	15	5		
46/ 45	.4	.9	.7	.1	.3	.1												23	23	13	7	
44/ 43		.2	.7	.4		.2												32	32	19	10	
42/ 41	.3	4.6	.7	.3	.1													54	54	43	21	
4 / 39	.9	5.3	1.7	.6														76	76	6	48	
38/ 37	1.6	5.3	1.6	.2	.2													80	80	7	54	
36/ 35	3.1	4.9	1.6	.4														89	89	91	83	
34/ 33	2.2	7.8	1.7	.4														109	109	84	64	
32/ 31	1.7	7.6	2.7	.3														110	110	111	91	
3 / 29	2.6	8.7	1.4	.4														118	118	129	87	
28/ 27	1.2	4.7	1.1	.4														61	61	96	120	
26/ 25	.3	2.3	.3															27	27	42	69	
24/ 23	.3	1.1	.4	.3														20	20	36	49	
22/ 21	.6	.9	.4	.2														19	19	24	51	
2 / 19	.9	1.7	.9															25	25	21	38	
18/ 17		1.7																9	9	15	24	
16/ 15		.6	.1															6	6	12	10	
14/ 13		.3																3	3	5	14	
12/ 11		.4																4	4	4	17	
1 / 9		.2																2	2	4	9	
6/ 7																				2	12	
6/ 5																					4	
4/ 3																					2	
2/ 1																					8	
/ -1																					4	
TOTAL	16.1	59.7	17.2	5.6	1.1	.3													900		900	
																			900		900	
Element (X)	Σx ²		Σx		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.	6224486		73966		82.3		12.728		900		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb	1053766		30106		33.5		7.206		900			40.4					90					
Wet Bulb	944979		28475		31.6		7.001		900			50.1					90					
Dew Point	789113		25491		28.3		8.641		900		.4	60.9					90					

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

30114 FAIRCHILD AFB WA

69-78

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
41 / 53			.2															2	2				
52 / 51		.3	.1															4	4				
5 / 49			.7															6	6	5	3		
46 / 47			.6		.1													6	6	1			
40 / 45	.4	.7	1.1	.2	.6													27	27	12	8		
44 / 43	.1	1.9	.8	.2														27	27	17	3		
42 / 41	.1	3.1	.7	.1														36	36	31	24		
4 / 39	1.	5.6	1.4	.4	.3													79	79	61	36		
36 / 37	2.1	5.4	1.1	.3														80	80	79	65		
30 / 35	2.6	5.1	1.3															80	80	88	76		
34 / 33	3.4	7.9	1.7	.2														119	119	93	67		
22 / 31	2.	7.8	1.6	.3														105	105	100	107		
2 / 29	2.6	6.9	2.0	.3														106	106	115	82		
26 / 27	2.2	5.4	1.0	.7														84	84	101	99		
26 / 25	.4	3.2	.3															36	36	53	75		
24 / 23	.6	1.3	.1															20	20	48	56		
22 / 21	.6	1.8	.6	.7														32	32	26	53		
2 / 19	.8	1.3	.9															27	27	21	33		
18 / 17		1.1																10	10	24	23		
16 / 15		.1																1	1	11	13		
14 / 13		.6																5	5	1	20		
12 / 11		.2																2	2	5	15		
10 / 9		.4																4	4	2	9		
8 / 7		.2																2	2	6	13		
6 / 5																					2		
4 / 3																					3		
2 / 1																					7		
1 / -1																					8		
TOTAL	19.1	61.3	16.7	3.6	1.0													900	900	900	900		
Element (X)	Σ x ²		Σ x		X	σ _x		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.	6404906		75116		83.5	12.280		900		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb	1.08816		29434		32.7	7.168		900			43.4					90							
Wet Bulb	915491		27991		31.1	7.070		900			51.3					90							
Dew Point	775590		25214		28.0	8.774		900		.8	61.8					90							

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

2620-0800
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

114 FAIRCHILD AFB WA

69-78

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
64/ 63						.1												1	1				
62/ 61				.1														1	1				
60/ 59						.1												1	1				
58/ 57			.1	.1	.1													3	3				
56/ 55		.1	.1	.1	.1													4	4		1		
54/ 53		.2	.2	.1				.1										6	6		3		
52/ 51		.1	.3		.1	.1	.1											7	7	6	2		
50/ 49		.4	.3	.3	.4	.2	.1											17	17	6	6		
48/ 47		.6	.8	.7	.3	.2												23	23	9	4		
46/ 45		1.6	1.1	1.1	.9	.1												42	42	10	8		
44/ 43	.1	2.3	2.3	.3	.2													45	45	34	12		
42/ 41	.3	4.7	2.3	.4	.2	.1												73	73	62	30		
40/ 39	1.1	5.7	2.6	.9														92	92	91	50		
38/ 37	2.6	4.4	2.8	.3														91	91	93	74		
36/ 35	1.6	5.9	1.7	.3		.1												86	86	98	92		
34/ 33	2.1	5.9	1.6	.1	.2													89	89	91	91		
32/ 31	1.1	6.7	1.6	1.1														93	93	90	69		
30/ 29	1.9	5.9	1.2	.6	.2													88	88	102	97		
28/ 27	.8	3.4	1.3	.1														51	51	69	160		
26/ 25	.7	1.2	.9	.2														26	26	41	70		
24/ 23	.2	1.1	.1	.2														15	15	29	45		
22/ 21	.6	.4	.0	.1														17	17	23	32		
20/ 19	.4	.4	.2															10	10	9	30		
18/ 17	.1	.8	.2															10	10	17	15		
16/ 15		.4	.1															5	5	6	11		
14/ 13		.3																3	3	6	18		
12/ 11		.1																1	1	3	9		
10/ 9																				1	8		
8/ 7																					8		
6/ 5																					4		
4/ 3																					6		
2/ 1																					3		
0/ -1																					6		
Element (X)	Σ X'			Σ X			Σ	Σ	No. Obs.			Mean No. of Hours with Temperature							Total				
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																							
Wet Bulb																							
Dew Point																							

FORM 0-26-5 (OLA)
JUL 64

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14 FAIRCHILD AFB WA

59-78

NOV
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
67								.1										1	1					
66						.1	.1	.1										3	3					
65					.2													2	2					
64						.1	.1											2	2					
63						.1			.2									3	3					
62					.2			.1	.2									5	5					
61		.2	.2	.2			.1	.4										11	11	3				
60		.3	.2	.4	.3	.4	.1											17	17	6				
59		.2		1.8	.9	.2	.3											31	31	6	4			
58		.3	.6	1.6	1.7	.4	.4											45	45	11	7			
57		1.7	2.4	1.3	.6	.6												53	53	9	5			
56	.2	2.4	2.2	.9	1.1	.6		.1										66	66	45	8			
55	.1	2.7	3.1	2.4	.7	.1	.2											84	84	89	26			
54	.4	3.9	3.3	1.7	.1													85	85	77	54			
53	.3	2.8	1.9	1.4	.9	.1												71	71	104	70			
52	1.6	2.9	2.4	.7	.6	.1												74	74	83	75			
51	1.3	5.1	1.8	.8	.2													83	83	84	89			
50	.8	2.8	2.9	1.1	.3	.1												71	71	88	64			
49	.6	5.6	1.7	1.3	.2	.1												76	76	71	82			
48	.7	2.6	.4	.6														38	38	93	73			
47	.4	1.8	.4	.4	.3													31	31	41	89			
46	.2	.8	.1	.1														11	11	30	71			
45	.2	.3	.3	.2														10	10	19	43			
44	.3	.4	.2															9	9	11	32			
43		.4	.9															12	12	12	22			
42		.3	.2															5	5	10	16			
41																				6	9			
40																				1	15			
39																					11			
38																					14			
37																					4			
36																					1			
35																					5			
34																					4			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

NCV
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
NII 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1114 FAIRCHILD AFB WA

59-78

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
- / 59																		1	1							
5 / 55				.1														1	1							
4 / 53			.4	.1			.2											7	7							
3 / 51		.1	.2	.3		.1	.4											11	11							
2 / 49		.2	.9	.3	.2	.4	.1											20	20		6					
1 / 47	.4	.8	1.3	.8	.2	.4	.1											34	34	13	5					
0 / 45	.4	1.1	1.9	.3	.4	.1												39	39	21	16					
45 / 43		2.3	2.8	.6	.2													52	52	29	12					
2 / 41	.9	4.3	2.7	.6	.1													77	77	67	36					
4 / 39	1.1	4.8	1.4	.8	.1													74	74	100	63					
33 / 37	1.4	5.9	1.4	.9		.1												88	88	79	63					
1 / 35	2.1	6.5	1.7	.9	.2													101	101	88	78					
3 / 33	.1	6.7	2.6	.2	.1													87	87	88	75					
2 / 31	.6	7.7	3.8	.7														114	114	99	79					
1 / 29	1.2	4.2	1.3	.6														66	66	118	92					
26 / 27	1.1	2.1	.8	.4														39	39	61	112					
25 / 25	.8	1.4	.9															26	26	39	58					
24 / 23	.2	.7	.1	.4														13	13	27	54					
22 / 21	.8	.3		.2														10	10	15	41					
1 / 19	.8	1.1	1.1															26	26	16	24					
16 / 17	.1	.1	.3															5	5	16	16					
15 / 15		.1	.4															5	5	5	16					
14 / 13		.3																3	3	4	14					
11 / 11																				5	15					
9 / 9																					6					
8 / 7																					6					
6 / 5																					3					
4 / 3																					5					
2 / 1																					6					
1 / -1																					4					
TOTAL	11.95	57.5	25.7	8.5	1.8	1.2	.9											899	899	899	899					
Element (X)	Σx²		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	5825144		71200		79.2		14.398		899		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total			
Dry Bulb	119925		32134		35.7		7.510		899				30.7										90			
Wet Bulb	145706		29988		33.4		7.055		899				40.7										90			
Dew Point	850686		26526		29.5		8.702		899		.4		55.2										90			

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

20114 FAIRCHILD AFB WA 69-79 NOV
STATION STATION NAME YEARS MONTH
PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
47/ 53							.1											1	1						
47/ 51			.2				.2											4	4						
5 / 49		.3	.7	.3	.2	.3												17	17						
4 / 47	.1	.6	.6	.3	.1	.1	.2											18	18	8	3				
47/ 45	.1	1.6	1.7	.4	.3		.1											32	32	18	8				
4 / 43	.2	1.8	1.2	.3	.1	.1												34	34	29	16				
47/ 41	.3	4.7	2.7	.6	.2													70	70	38	23				
4 / 39	.3	5.3	1.9	.3														75	75	72	46				
34/ 37	1.4	4.2	1.3	.3	.1													67	67	84	58				
4 / 35	3.1	5.4	2.6	.4														103	103	97	79				
34/ 33	1.1	7.4	2.6	.2														104	104	73	68				
32/ 31	.9	9.1	3.7	.4														121	121	111	73				
4 / 29	2.6	6.1	1.8	.6														99	99	138	95				
28/ 27	.9	2.9	1.7	.3														52	52	81	128				
4 / 25		2.2	.4	.3														27	27	37	68				
4 / 23	.3	1.2	.2	.2														18	18	40	50				
2 / 21	.3	.9	.8	.1														19	19	19	56				
4 / 19	.7	.7	.3															15	15	18	29				
48 / 17	.1	1.2	.1															13	13	13	22				
48 / 15		.2	.2															4	4	12	11				
4 / 13		.4																4	4	5	11				
12 / 11		.3																3	3	4	17				
4 / 9																				3	15				
4 / 7																					8				
4 / 5																					2				
4 / 3																					5				
2 / 1																					6				
4 / -1																					3				
TOTAL	12.9	56.7	22.8	5.3	1.1	.7	.6											900	900	900	900				

USAFETAC FORM 0-26-5 (OLA) 6-64

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point			
67/ 67																		2	2					
66/ 65							.1	.2	.3									3	3					
64/ 63						.1	.2	.3										5	5					
62/ 61					.1	.2	.3	.4										4	4					
59/ 59						.1	.2	.3										9	9					
58/ 57				.1	.2	.3	.4	.5										12	12					
56/ 55		.1	.2	.3	.4	.5	.6	.7										22	22	5				
54/ 53		.1	.2	.3	.4	.5	.6	.7	.8									53	53	11				
52/ 51	.1	.2	.3	.4	.5	.6	.7	.8	.9									94	94	22	9			
50/ 49	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0								156	156	48	25			
48/ 47	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1							211	211	63	28			
46/ 45	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2						314	314	179	81			
44/ 43	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3					368	368	289	95			
42/ 41	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4				528	528	429	260			
40/ 39	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4				605	605	644	419			
38/ 37	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5			636	636	650	513			
36/ 35	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5			734	734	708	648			
34/ 33	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4		783	783	749	584			
32/ 31	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6		784	784	761	695			
30/ 29	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4		668	668	894	705			
28/ 27	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7		416	416	591	837			
26/ 25	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9		213	213	316	538			
24/ 23	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8		124	124	261	398			
22/ 21	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1		153	153	162	342			
20/ 19	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1		157	157	138	240			
18/ 17	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6		70	70	129	156			
16/ 15	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6		25	25	72	101			
14/ 13		.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5		19	19	27	117			
12/ 11		.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5		17	17	22	114			
10/ 9		.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5		8	8	17	78			
8/ 7		.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5		5	5	13	66			
6/ 5																					25			
4/ 3																					35			
2/ 1																					44			
Element (X)	Σ X²		Σ X		X̄		σ²		No. Obs.		Mean No. of Hours with Temperature													
Rel. Num.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

YEARS

NGV
MONTH

ALL
HOURS U. S.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
- / - -4/-5																					44 1	
TOTAL	13.9	51.7	21.5	8.0	2.9	1.2	.6	.2	.1										7198	7198	7198	
Element (X)	Σ X'	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Num.	47212614	573138	79.6	14.801	7198	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	9395673	253711	35.2	7.934	7198		266.0	.2				720										
Wet Bulb	8191538	237072	32.9	7.299	7198		340.4					720										
Dew Point	6665202	209574	29.1	8.847	7198	4.5	453.7					725										

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC

PAGE 2 0000-0200
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (OL A.)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

2114 FAIRCHILD AFB WA

69-78

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

3600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
47 / 47		.2	.4	.1														7	7			
46 / 45		.9	.2		.3													13	13	5	3	
44 / 43	.1	.6	.3															10	10	12	5	
42 / 41	.4	.8	.4	.1														16	16	16	14	
40 / 39	1.3	2.5	.6															41	41	26	22	
38 / 37	2.4	3.6	.8	.2														59	59	59	34	
36 / 35	1.2	5.4	.6	.2														69	69	41	46	
34 / 33	1.1	4.9	1.1															65	65	70	39	
32 / 31	1.5	9.6	1.1															113	113	75	65	
30 / 29	1.9	5.8	.3															75	75	130	80	
28 / 27	2.4	8.3	.8															106	106	96	83	
26 / 25	1.4	7.8	.2															88	88	71	97	
24 / 23	1.1	3.9	.2															48	48	89	70	
22 / 21	1.6	3.9	.2															53	53	55	82	
20 / 19	.6	1.5	.1															21	21	29	70	
18 / 17	1.5	1.9																32	32	32	34	
16 / 15	1.4	2.7	.2															34	34	34	33	
14 / 13	.1	.8																8	8	11	28	
12 / 11	1.2	.8	.2															20	20	21	30	
10 / 9	.9	.8	.4															19	19	14	23	
8 / 7	.2	.5																7	7	15	17	
6 / 5	.1	.2																3	3	4	6	
4 / 3	.4	.1																5	5	6	5	
2 / 1	.4	.2																6	6	5	11	
0 / -1	.0																	6	6	8	7	
-2 / -3																					5	
-6 / -7		.2																2	2			
-6 / -9	.1																	1	1	3	7	
-11 / -11																					3	
-12 / -13																					2	
-14 / -15	.2																	2	2	2	2	
-16 / -17	.1																	1	1	1	1	
-18 / -19																					5	
-22 / -23																					1	
Element (X)	Σx²		Σx		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 2 7600-0800
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10114 FAIRCHILD AFB WA
STATION STATION NAME

69-78
YEARS

DEC
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
5 / 49		.1																1	1						
36 / 47		.5	.6															11	11	1					
40 / 45	.1	.3	.6	.1		.1												12	12	9	7				
44 / 43	.3	1.1	.5	.3	.2													22	22	12	5				
42 / 41	.3	1.8	.6	.2														32	32	25	16				
4 / 39	1.1	4.3	1.2	.2	.1													64	64	36	27				
36 / 37	1.1	3.3	.6	.2														42	48	63	35				
36 / 35	.6	3.4	1.9															56	56	45	54				
34 / 33	1.9	6.8	2.2	.2														103	103	71	35				
37 / 31	1.2	8.2	1.7	.1														104	104	108	63				
3 / 29	1.3	6.5	1.5	.3														89	89	107	93				
25 / 27	2.9	7.8	.8	.2														109	109	116	91				
26 / 25	.5	4.4	.9															54	54	72	103				
24 / 23	1.4	3.7	.2															49	49	72	65				
22 / 21	.8	2.7																32	32	35	93				
2 / 19	1.5	2.5	.1															38	38	34	52				
18 / 17	.8	1.5																21	21	34	28				
15 / 15	.2	1.2		.2														15	15	13	31				
14 / 13	.4	.8	.3															14	14	14	28				
12 / 11	.6	.4	.2															12	12	12	26				
1 / 9	.9	.6	.4															18	18	19	29				
8 / 7	.3	.2	.1															6	6	8	10				
6 / 5	.3	.5																8	8		3				
4 / 3	.1	.2																3	3	5	8				
2 / 1	.1	.1																2	2	4	6				
1 / -1	.1																	1	1	1	1				
-2 / -3																					3				
-4 / -5		.1																1	1		2				
-6 / -7		.3																3	3	1	2				
-8 / -9																				3	6				
-11 / -11	.1																	1	1	1	5				
-12 / -13	.1																	1	1	1	2				
-14 / -15																					1				
-16 / -17																					1				
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Mean No. of Hours with Temperature						
Rel. Hum.																			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2

0900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFB WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1414 FAIRCHILD AFB WA

69-78

YEARS

DEC

MONTH

PAGE 1 1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
27 / 51			.1																1	1			
5 / 49		.3	.2	.2	.1	.1	.3												12	12			
15 / 47		.3	.4	.3	.1														11	11	5		
45 / 45	.2	.6	.5	.1	.1														15	15	9	11	
44 / 43	.3	1.1	1.1	.3	.2														28	28	17	9	
27 / 41	.4	2.9	1.9	1.4															62	62	30	12	
4 / 39	1.1	3.7	2.3	.4															68	68	56	34	
30 / 37	.6	2.8	2.6	.4															60	61	63	42	
26 / 35	.9	5.2	2.8	1.6															97	97	70	47	
30 / 33	1.6	7.1	3.1	1.6															124	124	97	53	
27 / 31	.6	5.4	2.2	.1	.2														79	79	104	77	
3 / 29	.3	5.8	2.1	.1															81	81	95	74	
20 / 27	1.2	6.6	.6	.3															81	81	116	96	
14 / 25	1.1	3.8	.6																50	50	63	96	
14 / 23	1.6	1.7	.2	.1															34	34	57	80	
22 / 21	.4	2.1	.3																26	26	33	80	
27 / 19	1.1	1.8	.1	.1															29	29	30	44	
16 / 17	.2	1.4		.2															17	17	21	43	
11 / 15	.1	.9	.5																14	14	15	24	
14 / 13	.2	.4																	6	6	13	20	
12 / 11	.3	.3	.2																12	12	11	18	
1 / 9	.1	.6	.5																12	12	8	19	
8 / 7		.1	.2																3	3	5	8	
6 / 5		.1																	1	1	5	2	
4 / 3																					3	6	
2 / 1																						5	
/ -1	.1	.1																	2	2	1	1	
-2 / -3		.2																	2	2	2	5	
-4 / -5	.1	.1																	2	2	2		
-6 / -7																					1	1	
-3 / -9																						9	
-1 / -11																						1	
-12 / -13																						3	
-14 / -15																						2	
Element (X)	Σ X ²			Σ X			X̄			σ _x			No. Obs.			Mean No. of Hours with Temperature							
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26.5 (OLA) 20 JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

2.14	FAIRCHILD AFB WA
STATION	STATION NAME

67-78

YEARS

DEC
MONTH

PAGE 2

1200-1400
* HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

44-78

YEARS

DEC
MONTH

PAGE ? 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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JOURNAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2-14 FAIRCHILD AFB WA
STATION STATION NAME

69-79
YEARS

DEC
MONTH

PAGE 1 2100-2300
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
5 / 45			.3															3	3					
4 / 47			.2															2	2					
3 / 45	.3	1.1	.1	.1	.1													16	16	7	4			
4 / 43	.1	1.3	.3		.3													19	19	16	7			
3 / 41		1.2	.1															12	12	14	15			
2 / 39	1.4	2.3	.9	.4	.1													47	47	26	25			
3 / 37	1.1	4.8	1.4	.2														70	70	48	21			
2 / 35	1.5	5.9	1.8															85	86	73	45			
3 / 33	1.5	5.7	1.3															79	79	87	65			
2 / 31	1.6	6.7	1.3															63	83	79	77			
1 / 29	.6	8.4	1.2															95	95	97	53			
2 / 27	2.2	7.8	1.7															102	102	108	89			
1 / 25	1.4	7.1	.5															84	84	78	102			
2 / 23	1.1	3.2	.4															43	43	85	68			
2 / 21	1.2	2.3	.3															33	33	38	88			
1 / 19	1.5	2.3																36	36	35	63			
2 / 17	.5	1.5	.2	.2														24	24	33	30			
10 / 15	.9	1.5	.2															22	22	21	31			
1 / 13	.6	1.7																15	15	23	29			
1 / 11	.9	.4	.1															13	13	14	32			
1 / 9	.4	.9	.4															16	16	7	21			
3 / 7	.4	.2	.3															9	9	12	11			
4 / 5	.1																	1	1	9	7			
4 / 3	.5	.3																8	8	5	12			
1 / 1	.3																	3	3	3	2			
-1 / -3		.2																2	2	2	5			
-4 / -5	.1	.1																2	2	1	2			
-5 / -7	.2	.1																3	3	3	2			
-8 / -9	.2																	2	2	3	7			
-1 / -11																					2			
-12 / -13																					1			
-14 / -15																					1			
-16 / -17																					4			
Element (X)	Σ X ²		Σ X		Σ		°		No. O...		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

69-78

DEC
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISION: * PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

4.14	FAIRCHILD AFB WA
STATION	STATION NAME

69-73

YEARS

DEC
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
-1/-17	.3																	1	1	1	15											
-1/-19																					18											
-1/-21																					7											
-1/-23																					2											
TOTAL	18.9	63.8	14.2	2.6	.4	.1	.1											7439	7440	7439	7439											

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	51751517	614271	82.6	11.759	7439							
Dry Bulb	6982187	217465	29.2	9.172	7440	7.2	457.2					744
Wet Bulb	6308163	206327	27.7	8.872	7439	8.2	522.7					744
Dew Point	5225152	181380	24.4	10.388	7439	22.9	597.0					744

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC FORM JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

0114 FAIRCHILD AFB WA

69-79

YEARS

ALL
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
2/ 1																		3	3		
1/ 99																		23	23		
2/ 97																		56	56		
16/ 95																		86	86		
24/ 93																		160	160		
7/ 91																		309	309		
9/ 89																		418	418		
18/ 87																		475	475		
26/ 85																		562	562		
24/ 83																		658	658		
27/ 81																		941	941		
9/ 79																		891	891		
78/ 77																		1039	1039		
71/ 75																		1243	1243		
24/ 73																		1415	1415	2	
22/ 71																		1625	1625	9	
7/ 69																		1896	1896	60	
63/ 67																		1876	1876	139	11
66/ 65																		2266	2266	430	24
64/ 63																		2637	2637	1124	41
62/ 61																		2523	2523	1693	95
50/ 59																		2511	2511	2538	141
58/ 57																		2821	2821	3094	416
56/ 55																		2980	2980	3656	794
54/ 53																		3035	3035	4392	1136
52/ 51																		2939	2939	4502	1777
57/ 49																		2938	2939	4395	2336
46/ 47																		3238	3238	4282	2757
46/ 45																		3975	3975	4581	4332
44/ 43																		3271	3271	4364	4626
42/ 41																		3444	3444	4477	4887
41/ 39																		3972	3972	4707	5659
38/ 37																		3939	3940	5028	5988
76/ 35																		4460	4460	4923	6540
Element (X)	Σx^2		Σx		\bar{x}		σ^2		No. Obs.		Mean No. of Hours with Temperature							Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

69-79

YEARS

ALL
MONTH

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ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DERIVED FROM HOURLY OBSERVATIONS

24-14 FAIRCHILD AFB WA

69-79

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-5	MEAN	24.8	30.3	34.4	39.8	47.9	55.9	62.7	62.1	52.3	42.1	33.5	28.3	42.9
	S D	10.351	7.141	6.010	6.349	6.598	7.786	7.024	6.938	6.576	6.528	7.206	9.067	14.662
	TOTAL OBS	930	846	930	900	930	898	930	930	900	930	900	930	10954
3-25	MEAN	24.2	29.5	32.9	37.4	45.0	52.7	58.9	58.4	49.5	40.0	32.7	27.9	40.8
	S D	10.710	7.000	6.034	6.188	6.219	7.128	6.613	6.223	6.403	6.418	7.168	9.208	13.597
	TOTAL OBS	930	846	930	899	930	900	930	930	900	930	900	930	10955
6-08	MEAN	23.6	29.3	33.1	39.6	49.0	57.4	63.8	61.8	51.3	40.3	32.5	27.7	42.5
	S D	10.940	7.100	6.188	6.557	6.916	7.686	7.192	7.174	6.785	6.621	7.249	9.468	15.332
	TOTAL OBS	930	846	929	899	930	900	929	930	898	930	900	930	10951
9-11	MEAN	25.2	32.0	38.6	47.1	56.6	65.3	72.9	71.6	60.6	48.2	35.6	29.2	48.7
	S D	10.527	7.319	6.873	7.388	8.080	9.081	8.599	8.676	7.899	7.733	7.677	9.202	18.072
	TOTAL OBS	930	846	930	900	929	900	929	930	900	930	900	930	10954
12-14	MEAN	27.8	35.8	43.2	51.7	61.1	70.3	78.8	78.0	66.9	54.5	39.3	31.6	53.3
	S D	9.933	7.728	7.373	8.097	9.020	10.134	9.528	9.577	9.068	8.866	8.308	8.655	19.338
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	899	930	10955
15-17	MEAN	28.0	36.6	43.9	52.5	62.1	71.9	80.6	79.7	68.0	54.7	38.6	31.1	54.1
	S D	9.583	7.707	7.522	8.491	9.213	10.507	9.537	9.925	9.502	9.135	8.116	8.630	19.998
	TOTAL OBS	930	846	930	900	928	900	930	929	900	930	900	930	10953
18-20	MEAN	26.3	33.5	39.8	48.3	58.0	68.1	76.5	74.3	61.9	48.5	35.7	29.4	50.1
	S D	9.809	7.081	6.779	8.179	8.751	9.754	9.243	9.692	8.736	7.741	7.510	9.081	18.925
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	899	930	10952
21-23	MEAN	25.5	31.6	36.7	43.3	51.9	60.6	68.0	66.5	55.9	44.4	34.2	28.6	45.7
	S D	10.155	6.942	6.145	6.991	7.319	8.173	7.987	7.744	7.226	6.930	7.215	9.259	16.199
	TOTAL OBS	930	846	930	900	926	900	930	930	900	930	900	930	10952
ALL HOURS	MEAN	25.7	32.3	37.8	45.0	54.0	62.8	70.3	69.0	58.3	46.6	35.2	29.2	47.3
	S D	10.357	7.695	7.760	9.096	9.952	11.092	11.223	11.215	10.280	9.365	7.934	9.172	17.798
	TOTAL OBS	7440	6768	7439	7198	7430	7198	7438	7439	7198	7440	7198	7440	87626

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

2014 FAIRCHILD AFB WA

69-79

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	23.5	28.6	31.7	35.5	42.5	48.9	52.5	51.6	46.0	38.3	31.6	27.1	38.2
	S D	10.285	7.084	5.941	5.369	5.210	5.785	5.271	4.356	5.548	6.000	7.001	8.807	11.656
	TOTAL OBS	930	846	930	900	930	898	930	930	900	930	900	930	10954
3-05	MEAN	23.3	28.0	30.7	34.1	41.0	47.5	51.2	50.4	44.7	37.1	31.1	26.7	37.2
	S D	10.551	6.958	5.993	5.388	5.308	5.854	5.396	4.396	5.678	6.055	7.070	8.992	11.455
	TOTAL OBS	930	846	930	899	930	900	930	930	900	930	900	930	10955
6-08	MEAN	22.6	27.8	30.8	35.7	43.7	50.5	54.1	53.0	46.1	37.5	31.0	26.5	38.3
	S D	10.779	7.034	6.040	5.462	5.320	5.702	5.055	4.458	5.820	6.120	7.155	9.241	12.478
	TOTAL OBS	930	846	929	899	930	900	929	930	898	930	900	930	10951
9-11	MEAN	23.9	29.9	34.5	40.2	47.6	53.7	57.5	57.1	50.7	42.4	33.3	27.8	41.6
	S D	10.335	7.071	6.087	5.485	5.343	5.665	4.967	4.197	5.498	6.091	7.156	8.929	13.080
	TOTAL OBS	930	846	930	900	929	900	929	929	900	930	900	930	10953
12-14	MEAN	25.9	32.5	37.1	42.2	49.1	55.0	58.7	58.4	52.6	45.3	35.7	29.5	43.6
	S D	9.652	6.981	6.233	5.596	5.383	5.523	4.828	4.100	5.483	6.231	7.255	8.247	12.716
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	899	929	10954
15-17	MEAN	26.1	33.0	37.4	42.4	49.1	55.2	58.8	58.4	52.4	45.0	35.2	29.2	43.6
	S D	9.421	6.866	6.247	5.607	5.267	5.408	4.734	4.031	5.419	6.205	7.206	8.348	12.681
	TOTAL OBS	930	846	930	900	928	900	930	929	900	930	900	930	10953
18-20	MEAN	24.8	30.9	35.3	40.3	47.6	54.0	57.5	56.3	49.9	41.9	33.4	28.0	41.7
	S D	9.742	6.737	6.119	5.597	5.324	5.486	4.820	4.242	5.374	6.055	7.055	8.878	12.673
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	899	930	10952
21-23	MEAN	24.1	29.6	33.3	37.7	44.8	51.1	54.5	53.2	47.4	39.5	32.1	27.2	39.6
	S D	10.071	6.817	5.899	5.486	5.100	5.508	5.106	4.190	5.395	6.055	6.920	9.014	12.024
	TOTAL OBS	930	846	930	900	926	900	930	930	900	930	900	930	10952
ALL HOURS	MEAN	24.2	30.0	33.9	38.5	45.7	52.0	55.6	54.8	48.7	40.9	32.9	27.7	40.5
	S D	10.180	7.180	6.561	6.262	6.030	6.235	5.716	5.166	6.233	6.813	7.299	8.872	12.574
	TOTAL OBS	7440	6768	7439	7198	7430	7198	7438	7438	7198	7440	7198	7439	87624

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14 14 FAIRCHILD AFB WA

69-79

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR.	MAY	JUN.	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
1-2	MEAN	19.7	24.9	27.1	29.4	36.5	42.3	43.5	42.0	39.2	33.3	28.3	24.0	32.6											
	S D	12.527	9.393	7.923	6.886	6.482	6.828	7.874	7.405	7.967	8.029	8.641	10.132	11.495											
	TOTAL OBS	930	846	930	900	930	896	930	930	900	930	900	930	10954											
3-5	MEAN	19.2	24.5	26.5	29.0	36.2	42.6	44.2	43.0	39.4	33.2	28.0	23.7	32.5											
	S D	12.693	8.953	7.962	6.601	6.388	6.720	7.337	6.679	7.641	7.731	8.774	10.331	11.685											
	TOTAL OBS	930	846	930	899	930	900	930	930	900	930	900	930	10955											
5-8	MEAN	18.9	24.4	26.8	30.4	38.0	44.3	46.2	45.4	40.8	33.7	28.0	23.5	33.4											
	S D	12.845	8.875	7.766	6.554	6.176	6.492	6.673	6.065	7.522	7.658	8.763	10.651	12.217											
	TOTAL OBS	930	846	929	899	930	900	929	930	898	930	900	930	10951											
9-11	MEAN	19.9	25.9	28.3	31.7	38.6	44.0	45.7	45.8	41.6	35.7	29.6	24.5	34.3											
	S D	12.392	8.899	8.056	7.082	6.701	6.930	7.030	6.273	7.779	7.909	8.760	10.478	11.938											
	TOTAL OBS	930	846	930	900	929	900	929	929	900	930	900	930	10953											
12-14	MEAN	21.3	27.2	28.6	30.9	37.4	42.3	43.4	43.4	39.6	35.2	30.5	25.5	33.8											
	S D	11.928	8.778	8.694	7.653	7.058	7.232	7.554	6.885	8.520	8.506	9.127	9.997	11.214											
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	899	929	10954											
15-17	MEAN	21.6	27.3	28.3	30.1	36.2	41.2	41.7	41.7	38.0	34.2	30.3	25.3	33.0											
	S D	11.845	8.751	9.014	8.014	7.172	7.431	8.010	7.055	8.558	8.636	9.075	10.187	10.946											
	TOTAL OBS	930	846	930	900	928	900	930	929	900	930	900	930	10953											
18-20	MEAN	20.6	26.3	28.5	30.2	37.0	41.9	42.1	41.4	38.2	33.8	29.5	24.6	32.9											
	S D	12.111	8.699	8.491	7.805	7.134	7.594	8.167	7.423	8.410	8.520	8.702	10.613	11.199											
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	899	930	10952											
21-23	MEAN	20.1	25.6	27.9	30.0	37.2	42.6	42.9	41.5	38.5	33.3	28.6	23.9	32.7											
	S D	12.328	8.826	8.077	7.355	6.485	7.160	8.285	7.641	8.313	8.298	8.545	10.549	11.401											
	TOTAL OBS	930	846	930	900	926	900	930	930	900	930	900	930	10952											
ALL HOURS	MEAN	20.2	25.8	27.7	30.2	37.2	42.6	43.7	43.0	39.4	34.1	29.1	24.4	33.1											
	S D	12.364	8.918	8.291	7.300	6.752	7.119	7.771	7.136	8.178	8.211	8.847	10.388	11.534											
	TOTAL OBS	7440	6768	7439	7198	7430	7198	7438	7438	7198	7440	7198	7439	87624											

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24114 FAIRCHILD AFB WA
STATION STATION NAME

77-79
PERIOD

JAN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	0-02	100.0	100.0	100.0	99.9	97.3	92.3	81.4	60.2	22.5	81.1	930
	3-05	100.0	100.0	100.0	99.8	98.3	92.0	82.6	61.9	23.5	81.5	930
	6-08	100.0	100.0	100.0	99.7	98.1	92.5	82.5	60.4	25.2	81.7	930
	9-11	100.0	100.0	99.9	99.1	97.5	91.5	80.6	57.3	23.5	80.6	930
	12-14	100.0	100.0	99.7	98.1	95.1	87.7	72.2	49.4	18.0	77.6	930
	15-17	100.0	100.0	99.9	98.0	94.7	87.7	70.0	49.8	18.1	77.6	930
	18-20	100.0	100.0	100.0	98.9	95.7	90.2	77.6	57.0	20.8	79.7	930
	21-23	100.0	100.0	100.0	99.4	97.3	92.2	79.1	59.4	21.9	80.6	930
TOTALS		100.0	100.0	99.9	99.1	96.7	90.8	78.3	56.9	21.7	80.1	7440

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24114 FAIRCHILD AFB WA

70-79

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	0-02	100.0	100.0	99.8	99.8	99.2	94.6	81.1	59.9	20.0	80.9	846
	03-05	100.0	100.0	100.0	98.6	97.8	94.4	85.2	64.9	24.7	81.9	846
	06-08	100.0	100.0	100.0	99.1	98.2	94.4	85.6	66.2	25.8	82.4	846
	09-11	100.0	100.0	99.9	98.8	97.3	91.5	75.7	51.7	18.9	78.9	846
	12-14	100.0	99.9	99.1	97.4	92.1	78.0	54.0	34.5	11.5	72.4	846
	15-17	100.0	100.0	99.1	96.3	90.0	72.2	48.9	32.0	9.8	70.6	846
	18-20	100.0	100.0	99.6	98.1	95.9	86.4	66.7	41.1	13.4	75.8	846
	21-23	100.0	100.0	99.5	98.6	97.2	93.1	77.4	52.8	18.3	79.1	846
TOTALS		100.0	100.0	99.6	98.2	95.8	88.1	71.8	50.4	17.8	77.8	6768

RELATIVE HUMIDITY

MAR
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	0-02	100.0	100.0	100.0	98.8	95.2	86.0	66.6	39.2	13.2	75.5	930
	3-05	100.0	100.0	100.0	99.4	95.8	87.5	73.9	49.8	16.8	78.0	930
	6-08	100.0	100.0	100.0	99.7	96.4	89.3	73.1	50.5	18.4	78.4	929
	9-11	100.0	100.0	99.7	95.2	84.7	66.9	43.7	23.5	8.7	68.1	930
	12-14	100.0	100.0	96.3	86.2	62.7	37.5	22.5	14.8	6.0	58.5	930
	15-17	100.0	100.0	95.5	81.2	57.0	34.1	21.6	16.3	5.9	56.8	930
	18-20	100.0	100.0	99.0	93.9	80.8	60.2	37.7	21.3	8.4	65.8	930
	21-23	100.0	100.0	100.0	98.3	89.8	76.1	53.5	30.9	11.6	71.6	930
TOTALS		100.0	100.0	98.8	94.1	82.8	67.2	49.1	30.8	11.3	69.1	7439

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24114 FAIRCHILD AFB WA

70-79

APR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	0-02	100.0	100.0	100.0	95.6	86.3	68.1	42.2	23.9	6.4	68.0	900
	3-05	100.0	100.0	100.0	98.7	93.8	79.6	55.1	32.5	10.2	72.8	899
	6-08	100.0	100.0	99.9	97.7	90.9	73.6	50.7	30.5	10.0	71.1	899
	9-11	100.0	100.0	98.0	84.9	60.9	36.3	20.8	11.0	3.3	57.2	900
	12-14	100.0	99.2	86.4	60.3	34.4	19.4	12.1	4.9	1.9	47.6	900
	15-17	100.0	97.2	79.0	52.3	30.3	17.3	10.7	5.1	1.7	45.2	900
	18-2	100.0	99.2	88.3	70.8	49.3	31.8	18.9	9.4	2.6	52.8	900
	21-23	100.0	100.0	97.7	88.2	71.6	49.0	30.6	14.1	4.1	61.6	900
TOTALS		100.0	99.5	93.7	81.1	64.7	46.9	30.1	16.4	5.0	59.5	7198

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MAY

STATION

STATION NAME

PERIOD

MONTH

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2

RELATIVE HUMIDITY

69-78

JUN
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	0-02	100.0	100.0	99.3	91.6	73.5	52.3	32.3	14.6	3.2	62.4	898
	3-05	100.0	100.0	99.6	98.1	91.9	74.0	49.2	24.0	4.8	69.8	900
	6-08	100.0	100.0	99.3	95.0	79.4	53.9	33.3	12.7	3.1	63.2	900
	9-11	100.0	99.2	89.4	64.6	38.3	19.8	12.3	4.0	.8	48.5	900
	12-14	100.0	92.3	66.7	37.7	19.2	11.3	6.6	2.7	.8	39.4	900
	15-17	100.0	86.1	52.6	28.0	16.0	10.9	7.1	3.2	.3	36.2	900
	18-20	100.0	94.4	69.4	44.2	24.8	14.4	9.3	4.0	1.4	41.8	900
	21-23	100.0	99.7	93.7	75.6	51.2	33.2	19.2	8.2	2.0	54.0	900
TOTALS		100.0	95.5	83.8	66.9	49.3	33.7	21.2	9.2	2.1	51.9	7198

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
PERIOD

JUL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	99.4	92.2	71.0	45.8	28.8	17.7	8.1	2.4	52.2	930
	03-05	100.0	100.0	98.4	89.6	68.0	46.6	27.4	11.0	3.5	60.2	930
	06-08	100.0	100.0	97.1	81.3	54.8	32.4	16.3	7.1	1.8	54.7	929
	09-11	100.0	97.2	70.8	39.0	20.5	9.8	5.2	2.4	.6	40.2	929
	12-14	100.0	77.1	40.8	19.9	8.8	5.2	2.5	1.4	.3	31.1	930
	15-17	99.7	62.0	29.6	15.4	8.3	4.7	2.6	.5	.3	27.8	930
	18-20	99.8	77.0	41.4	22.6	13.3	7.5	4.4	1.4	.3	32.4	930
	21-23	100.0	96.7	74.2	46.2	27.3	17.5	10.3	4.9	1.1	43.4	930
TOTALS		99.9	88.7	68.1	48.1	30.9	19.1	10.8	4.6	1.3	42.8	7438

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
PERIOD

AUG
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	0-02	100.0	99.1	85.1	62.8	44.7	31.8	18.9	8.1	2.7	51.1	930
	03-05	100.0	100.0	96.9	81.5	64.6	47.4	29.1	12.3	4.7	59.4	930
	06-08	100.0	100.0	95.8	81.2	60.4	40.3	24.8	11.7	4.1	57.7	930
	09-11	100.0	95.8	72.8	47.3	26.7	14.2	7.8	4.1	1.6	42.8	929
	12-14	99.4	74.7	43.7	22.5	12.0	6.6	4.8	1.7	.3	32.4	930
	15-17	98.9	63.0	34.8	18.0	9.0	5.6	3.7	1.7	.5	29.1	929
	18-20	99.7	77.3	46.5	28.5	16.9	10.1	5.8	2.5	.3	34.4	930
	21-23	100.0	96.5	68.4	47.3	32.7	20.9	11.7	4.5	1.0	43.9	930
TOTALS		99.8	88.3	68.0	48.6	33.4	22.1	13.3	5.8	1.9	43.9	7438

2
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24114 FAIRCHILD AFB WA
STATION STATION NAME

69-78
PERIOD

SEP
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	98.8	87.8	73.3	53.2	36.3	20.8	7.4	63.6	900
	03-05	100.0	100.0	99.9	95.7	85.9	68.2	51.9	29.4	11.8	70.1	900
	06-08	100.0	100.0	99.8	96.4	85.2	68.4	49.7	26.5	10.0	69.1	898
	09-11	100.0	99.9	91.4	71.0	46.7	29.2	17.0	8.3	2.8	52.2	900
	12-14	100.0	94.0	63.1	38.7	21.8	12.8	9.3	4.4	1.7	40.1	900
	15-17	100.0	89.4	51.8	31.7	16.6	11.2	8.7	3.6	1.4	36.9	900
	18-20	100.0	96.9	73.0	49.4	32.8	20.7	13.6	7.8	3.2	45.3	900
	21-23	100.0	99.7	92.4	73.4	51.8	36.2	22.7	13.3	5.6	55.2	900
TOTALS		100.0	97.5	83.8	68.0	51.8	37.5	26.2	14.3	5.5	54.1	7198

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24334
STATION

FAIRCHILD AFB WA
STATION NAME

69-78

PERIOD

OCT
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	95.6	90.0	77.8	56.8	35.2	14.1	72.6	930
	03-05	100.0	100.0	100.0	98.6	94.2	86.5	71.6	47.7	20.1	77.8	930
	06-08	100.0	100.0	100.0	98.6	94.3	86.5	73.4	52.0	21.7	78.4	930
	09-11	100.0	100.0	97.5	90.8	76.8	56.9	36.2	19.8	7.7	64.4	930
	12-14	100.0	99.1	87.7	66.8	44.6	27.1	16.9	9.2	2.9	51.1	930
	15-17	100.0	98.0	84.0	62.5	39.0	25.7	16.7	9.7	2.6	49.4	930
	18-20	100.0	99.6	95.4	82.8	65.3	44.4	30.4	16.8	5.6	59.8	930
	21-23	100.0	100.0	98.6	94.1	80.1	62.3	44.1	25.4	10.2	67.2	930
TOTALS		100.0	99.6	95.4	86.2	73.0	58.4	43.3	27.0	10.6	65.1	7440

USAFETACFORM
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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
PERIOD

NOV
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	0-02	100.0	100.0	100.0	99.1	97.1	92.4	82.9	65.6	27.8	82.2	900
	03-05	100.0	100.0	100.0	99.4	98.2	93.1	86.2	68.7	32.9	83.5	900
	06-08	100.0	100.0	100.0	99.4	97.7	94.1	87.3	70.7	35.6	84.1	900
	09-11	100.0	100.0	100.0	98.6	94.8	88.7	76.8	58.8	27.4	80.2	900
	12-14	100.0	100.0	98.3	95.2	88.2	74.3	59.7	40.2	16.7	72.9	899
	15-17	100.0	100.0	98.9	95.3	89.6	78.8	62.4	42.0	17.9	74.2	900
	18-20	100.0	100.0	99.9	98.2	94.9	88.1	77.5	55.1	21.8	79.2	899
	21-23	100.0	100.0	100.0	98.8	95.8	91.0	81.1	60.4	24.7	80.7	900
TOTALS		100.0	100.0	99.6	98.0	94.5	87.6	76.7	57.7	25.6	79.6	7198

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24114
STATION

FAIRCHILD AFB WA
STATION NAME

69-78
PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	0-02	100.0	100.0	100.0	99.7	98.5	96.7	90.2	72.9	29.1	84.1	930
	03-05	100.0	100.0	100.0	99.7	98.5	96.1	90.4	73.0	31.2	84.4	930
	06-08	100.0	100.0	100.0	99.8	98.3	96.5	92.3	74.0	31.2	84.7	930
	09-11	100.0	100.0	99.8	99.6	97.3	94.5	88.4	67.5	26.0	82.9	930
	12-14	100.0	100.0	99.7	99.2	96.0	89.9	75.2	55.2	19.8	79.1	929
	15-17	100.0	100.0	99.7	99.4	96.8	92.2	78.6	56.3	19.6	79.7	930
	18-20	100.0	100.0	99.9	99.5	97.8	94.5	85.9	66.7	24.7	82.6	930
	21-23	100.0	100.0	100.0	99.7	98.1	95.1	87.7	67.4	26.5	83.1	930
TOTALS		100.0	100.0	99.9	99.6	97.7	94.4	86.1	66.6	26.0	82.6	7439

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

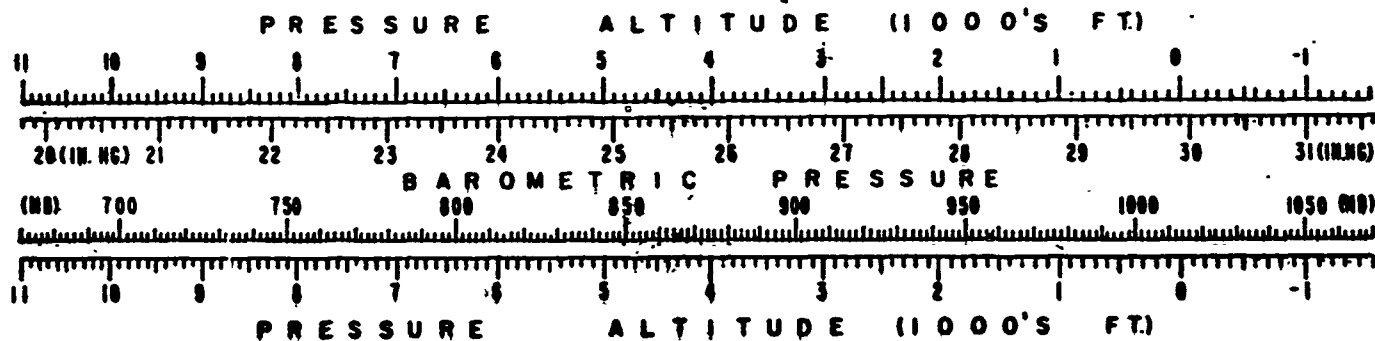
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

24114 FAIRCHILD AFB WA

69-79

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
01	MEAN	27.43	27.45	27.34	27.36	27.37	27.35	27.39	27.37	27.41	27.46	27.43	27.40	27.39											
	S D	.257	.230	.197	.174	.144	.118	.093	.093	.154	.180	.224	.276	.190											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
4	MEAN	27.42	27.40	27.34	27.37	27.37	27.36	27.41	27.38	27.42	27.46	27.43	27.40	27.40											
	S D	.259	.233	.199	.176	.147	.118	.093	.094	.155	.181	.228	.245	.188											
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651											
7	MEAN	27.42	27.40	27.35	27.39	27.40	27.39	27.43	27.41	27.44	27.47	27.44	27.40	27.41											
	S D	.260	.235	.202	.177	.150	.119	.093	.095	.157	.183	.231	.245	.189											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
1	MEAN	27.45	27.42	27.37	27.40	27.40	27.39	27.44	27.41	27.45	27.49	27.45	27.43	27.42											
	S D	.257	.238	.202	.176	.150	.117	.092	.096	.158	.184	.233	.242	.189											
	TOTAL OBS	310	282	309	300	309	300	310	310	300	310	300	310	3650											
13	MEAN	27.42	27.41	27.35	27.37	27.38	27.37	27.42	27.39	27.42	27.46	27.44	27.40	27.40											
	S D	.253	.235	.200	.170	.146	.116	.092	.095	.155	.183	.233	.239	.186											
	TOTAL OBS	310	282	310	300	309	300	310	309	300	310	300	310	3650											
16	MEAN	27.42	27.39	27.33	27.35	27.36	27.34	27.39	27.36	27.40	27.44	27.43	27.40	27.38											
	S D	.246	.231	.197	.168	.142	.117	.092	.094	.149	.179	.229	.236	.184											
	TOTAL OBS	310	282	310	300	309	299	310	309	300	309	300	310	3648											
19	MEAN	27.42	27.40	27.33	27.35	27.35	27.33	27.37	27.35	27.40	27.45	27.43	27.41	27.38											
	S D	.246	.228	.196	.166	.139	.116	.092	.091	.150	.179	.228	.238	.184											
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651											
22	MEAN	27.42	27.40	27.34	27.36	27.36	27.35	27.39	27.36	27.41	27.45	27.43	27.41	27.39											
	S D	.248	.228	.197	.169	.140	.116	.092	.092	.153	.180	.226	.244	.185											
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651											
ALL HOURS	MEAN	27.42	27.40	27.34	27.37	27.37	27.36	27.40	27.38	27.42	27.46	27.43	27.41	27.40											
	S D	.253	.232	.199	.172	.146	.118	.095	.096	.155	.181	.229	.246	.187											
	TOTAL OBS	2480	2256	2478	2400	2475	2399	2480	2478	2400	2479	2400	2480	29205											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HRS FROM HOURLY OBSERVATIONS

24114 FAIRCHILD AFB WA

69-79

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG.	SEP	OCT	NOV	DEC	ANNUAL
1	MEAN	1019.4	1017.9	1014.9	1014.9	1014.2	1013.8	1013.8	1012.9	1015.4	1018.1	1018.5	1017.9	1015.9
	S D	1.204	8.801	7.394	6.611	5.430	4.612	3.599	3.599	5.860	6.853	8.531	9.544	7.401
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	310	3651
2	MEAN	1019.4	1017.8	1014.9	1015.1	1014.6	1013.4	1014.3	1013.4	1015.6	1018.3	1018.4	1018.0	1016.1
	S D	10.256	8.672	7.485	6.731	5.556	4.617	3.623	3.641	5.931	6.920	8.728	9.646	7.434
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
7	MEAN	1019.5	1018.1	1015.6	1016.0	1015.5		1015.2	1014.5	1016.6	1019.1	1018.8	1018.2	1016.8
	S D	10.352	9.006	7.639	6.750	5.611	4.000	3.564	3.674	5.967	7.015	8.867	9.677	7.431
	TOTAL OBS	309	282	310	300	310	0	310	310	300	310	300	309	3650
11	MEAN	1020.3	1018.6	1016.0	1016.2	1015.6	1014.3	1015.4	1014.6	1016.8	1019.4	1019.5	1019.1	1017.2
	S D	1.247	9.153	7.720	6.683	5.571	4.499	3.524	3.664	5.976	6.993	8.949	9.610	7.484
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
13	MEAN	1019.3	1017.9	1015.2	1015.4	1014.8	1013.7	1014.7	1013.7	1015.9	1018.3	1018.6	1018.1	1016.3
	S D	10.041	9.008	7.562	6.479	5.448	4.452	3.522	3.669	5.807	6.962	8.898	9.448	7.346
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
15	MEAN	1019.2	1017.5	1014.5	1014.7	1014.0	1012.7	1013.6	1012.6	1015.0	1017.7	1018.4	1018.2	1015.7
	S D	9.791	8.844	7.434	6.395	5.336	4.577	3.544	3.653	5.728	6.810	8.767	9.337	7.348
	TOTAL OBS	309	282	310	300	309	299	309	309	299	310	300	310	3646
19	MEAN	1019.2	1017.7	1014.8	1014.7	1013.7	1012.3	1013.6	1012.3	1015.2	1018.1	1018.6	1018.3	1015.7
	S D	9.778	8.729	7.395	6.332	5.213	4.503	3.501	3.555	5.751	6.852	8.713	9.479	7.393
	TOTAL OBS	309	282	310	300	309	300	309	310	300	310	300	310	3649
22	MEAN	1019.2	1017.8	1015.0	1015.0	1014.1	1012.8	1013.6	1012.8	1015.4	1018.3	1018.7	1018.5	1015.9
	S D	9.848	8.718	7.468	6.408	5.244	4.494	3.560	3.606	5.823	6.878	8.661	9.661	7.381
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	299	310	3650
ALL HOURS	MEAN	1019.4	1017.9	1015.1	1015.3	1014.6	1013.3	1014.2	1013.4	1015.7	1018.4	1018.7	1018.3	1016.2
	S D	10.060	8.885	7.515	6.565	5.460	4.587	3.639	3.717	5.880	6.921	8.759	9.544	7.419
	TOTAL OBS	2477	2256	2480	2399	2476	2399	2478	2479	2399	2480	2399	2479	29201